PROCEEDINGS

OF THE

MADRAS GOVERNMENT

IN THE

PUBLIC WORKS DEPARTMENT,

BUILDINGS AND ROADS BRANCH,

FOR THE

MONTH OF DECEMBER 1890.

Printed by Authority.

MADRAS:
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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

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The above circulated to other Governments and Administrations.	19th Dec. No. 3380 W.	...	......
Financial Rules.—Proceedings, Financial Department, communicating, with remarks, to all departments of the Secretariat, resolution of the Government of India pointing out the departments to which questions or communications regarding the interpretation, alteration and relaxation of — should be addressed, recorded.	19th Dec. No. 3388 W.	...	......
Rents of buildings.—Passing orders on office note from the Examiner proposing the preparation of statements for each division giving data for calculation of —.	19th Dec. No. 3389 W.	...	22nd Sept. 1888, No. 2981 W. 22nd May 1889, No. 1367 W. 31st Oct. 1889, Nos. 5076-77 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1890.		(*Continued*). 27th Nov. 1886, No. 3741 W. 30th Jan. 1889, No. 246 W. 8th Sept. 1890, Nos. 2417-18 W.
Budget estimates.—Passing orders on the preliminary issue of the Incorporated and Execluded Local Fund — for works to be carried out by the Public Works Department during 1891-92.	20th Dec. No. 3390 W.	...	8th Dec. 1890, No. 3256 W. 18th July 1890, Nos. 1960-61 W. 28th May 1890, No. 1468 W. 22nd Nov. 1890, No. 4847 C.
Copy of the above forwarded to the Government of India.	20th Dec. No. 3399 W.	...	......
Military Works Budget for 1891-92.—Orders circulating the preliminary issue of the —.	22nd Dec. No. 3411 W.	...	......
Copy of the above forwarded to the Government of India.	22nd Dec. No. 3412 W.	...	......
Medical College, Madras.—Ordered that the special indent for stores required for the —, be forwarded to the Home Government.	29th Dec. No. 3417 W.	...	......
The above forwarded to the Home Government.	29th Dec. No. 3418 W.	...	......
Copy of the above forwarded to the Government of India.	29th Dec. No. $\frac{3418}{A.}$ W.	...	......

PUBLIC WORKS DEPARTMENT,

BUILDINGS AND ROADS BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT,

FOR THE MONTH OF DECEMBER 1890.

General.
Account.

READ—the following papers :—

Office note from the Examiner, Public Works Accounts, dated 20th Aug. 1890, No. 4999.
Office note to the „ „ „ „ „ 29th „ „ „ 718 D.
Office note from the „ „ „ „ „ 11th Sept. „ „ 5429.
Office note to the „ „ „ „ „ 9th Oct. „ „ 4038 C.
Office note from the „ „ „ „ „ 18th Nov. „ „ 6787.

REVISED REPORT on the working of the Presidency Workshops for the official year 1889-90.

The following is the account of direct receipts and charges of the shops during the year :—

A.—Presidency Public Works Workshops.

Account of Direct Receipts and Charges of the Workshops during the year 1889-90.

Item No.	—		Amount.
	RECEIPTS.	RS. A. P.	RS. A. P.
1	Cash balance		77 9 8
2	Cheques of Public Works officers		1,28,210 7 3
3	III. Items adjustable by Civil Department, Miscellaneous		341 7 10
4	Central Adjusting Account		39 15 3
5	Transfers Public Works Department		18,828 7 10
6	Guaranteed Railways ..		265 3 6
7	Provincial Revenue receipts.	6,489 6 4	
	Deduct—loss by sale of unserviceable timber.	−1,176 8 6	
			5,312 13 10
8	Income-tax		535 13 8
9	Deposits		5,472 1 8
	Total ..		1,59,084 0 6

Item No.	—				Amount.
	CHARGES.				RS. A. P.
1	Payments into treasuries				11,729 5 4
2	Supplies to Forest Department				477 6 6
3	Civil Department—Transfers Miscellaneous				32,700 10 4
4	Central Adjusting Account				7,564 9 9
5	Transfers Public Works Department				78,792 6 6
	Expenditure against Provincial Budget Grant.			RS. A. P.	
6	Original works			2,635 1 6	
7	Repairs			2,105 10 2	
8	Cost of practical training of the students of the College of Engineering ..			436 12 3	
		RS.	RS. A. P.		
9	Establishment		23,598 5 11		
	Deduct—credits on account of 10 per cent. on the value of work done for other departments and private parties ..	3,775			
	Pay of Vythlinga Achari brought on to regular establishment charged to jobs by credit to establishment ..	360			
			−4,135 0 0		
				19,463 5 11	
	Tools and Plant.				
10	New supplies		3,004 0 3		
11	Repairs		1,667 4 4		
12	One per cent. deduction.		− 377 0 0		
				4,294 4 7	
	Add net debits to Suspense.				
13	Miscellaneous advances			197 5 7	
14	Workshop manufacture suspense		− 732 13 2		
15	Deduct arrears unpaid ..		−5,429 8 4		
16	Net			−6,162 5 6	
					22,970 2 6
17	Deposits				4,802 4 5
18	Cash balance				47 3 2
	Total ..				1,59,084 0 6

2. The items which call for remark in this statement are.

(*a*) *Item No. 8 under charges—Cost of practical training of the students of the College of Engineering.*—This item represents the cost of labor and materials utilised by the College students who received practical training in the Workshops during the year under report agreeably to the orders of Government in G.O., No. 929 W., dated 21st March 1890.

(*b*) *Item No. 9, Establishment.*—There is a decrease of Rs. 1,110 on this item compared with the figures of the preceding year. This is due to a net increase of Rs. 11,639 in outturn under other departments during the year reviewed, 10 per cent. on that amount having been credited to General Establishment:—

B.—Presidency Public Works Workshops.

Revenue or Profit and Loss Account during the year 1889-90.

Item No.	—	RS. A. P.	Amount. RS. A. P.
	RECEIPTS.		
	To Provincial Revenue Receipts.		
1	Profit (*i.e.*, 14 per cent. on value of work done for other departments, &c.)	6,106 11 9	
2	Sales of old materials ..	453 15 7	
3	Miscellaneous ..	— 71 5 0	6,489 6 4
	To Workshop Centages.		
4	Ten per cent. on the value of work done for other departments and private parties for establishment	3,775 0 0	
5	One per cent. on the value of work done for other departments and private parties for tools and plant ..	377 0 0	4,152 0 0
6	To pay of Engraver Vythlinga Achari (brought on to the regular establishment) charged to jobs by credit to establishment		360 0 0
7	To *Loss*		34,370 8 7
	Total ..		45,371 14 11

Item No.	—	RS. A. P.	Amount. RS. A. P.
	DIRECT CHARGES.		
	Working Expenses.		
1	By repairs	2,105 10 2	
2	By cost of practical training of students of the College of Engineering.	436 12 3	
3	By establishment ..	23,598 5 11	
4	By tools and plant repairs	1,667 4 4	27,808 0 8
	INDIRECT CHARGES.		
	By Depreciation.		
5	Block at 3 per cent. ..	2,354 9 4	
6	Machinery and plant at 4 per cent.	4,295 4 5	6,649 13 9
7	By leave and pension allowances at 14 per cent. of Rs. 23,598-5-11		3,304 0 0
8	By interest on capital at 4 per cent. of Rs. 1,90,250-11-9		7,610 0 6
	Total ..		45,371 14 11

3. The only item calling for remarks and explanation in this statement is "Loss Rs. 34,370-8-7." This loss includes leave and pension allowances and interest charges on capital account amounting to Rs. 10,914; omitting these, the loss on the operations of the year (including that on the sale of unserviceable timber Rs. 1,176, which has been written off pending sanction of Government for which an application is said to have been made) would be Rs. 24,633. The net loss would still further be reduced to Rs. 5,319 if work done for Public Works Department were charged with 25 per cent. of its cost, viz., Rs. 77,257.

4. The balance sheet on capital account as it stood on 31st March 1890 is as follows:—

C.—Presidency Public Works Workshops.

Capital Balance Sheet as it stood on 31st March 1890.

Item No.	Capital and liabilities.	Amount. RS. A. P.
	Capital.	
1	Capital of the shops ..	1,90,250 11 9
	Debits.	
2	Deposits (refundable) ..	890 11 0
3	Value of labor and materials on workshop jobs not paid for	5,429 8 4
	Total ..	1,96,570 15

Item No.	Property and assets.	RS. A. P.	RS. A. P.	Amount. RS. A. P.
	Block.			
1	Balance on 1st April 1889	78,485 14 4		
2	Depreciation at 3 per cent.	— 2,354 9 4	76,131 5 0	
3	Additions during the year		2,635 1 6	78,766 6 6
	Machinery and Plant.			
4	Balance on 1st April 1889	1,07,908 8 6		
5	Deduct book value of articles sold ..	— 526 9 5		
6	Depreciation at 4 per cent.	— 4,295 4 5	1,03,086 10 8	
7	Additions during the year		3,261 0 3	1,06,347 10 11
	Suspense Account.			
8	Miscellaneous advances		692 8 9	
9	Workshop manufacture suspense ..		10,717 1 9	11,409 10 6
10	Cash (cash balance)		.. ..	47 3 2
	Total ..			1,96,570 15 1

5. The following items call for explanation in this statement :—

6. *Machinery and Plant.*—Articles sold by auction, Rs. **526-9-5**. This represents the value of old and unserviceable articles sold during the year under report and struck off the return.

7. It will be seen from the statement below that the capital of the shops at end of the year stood at Rs. 1,90,250-11-9, being less than the balance at the commencement of the year by Rs. 7,975-9-1 :—

	Opening balance—G.O., No. 2548 W., dated 13th September 1889.			Closing balance.		
	RS.	A.	P.	RS.	A.	P.
Block	78,485	14	4	78,766	6	6
Machinery and plant	1,07,908	8	6	1,06,347	10	11
Workshop manufacture suspense ...	17,268	6	0	10,717	1	9
Miscellaneous advances	495	3	2	692	8	9
Cash balance	77	9	8	47	3	2
Total ...	2,04,235	9	8	1,96,570	15	1
Deduct arrears due to Workshop manufacture suspense	5,788	7	1	5,429	8	4
Deduct Deposits	220	13	9	890	11	0
Total ...	6,009	4	10	6,320	3	4
Capital	1,98,226	4	10	1,90,250	11	9
Decrease of capital	...			7,975	9	1
Total ...	1,98,226	4	10	1,98,226	4	10

8. The following remarks and explanations are offered with reference to the above :—

(*a*) *Block.*—This represents the value of buildings as they stood at the opening and closing of the year (*vide* statement C).

(*b*) *Machinery and Plant.*—This is the value of the machinery and plant at the opening and closing of the year (*vide* statement).

(*c*) *Workshop Manufacture Suspense.*—This represents the value of unfinished and unadjusted works on 31st March 1890.

(*d*) *Miscellaneous Advances.*— This item includes partly advances to members of the department and Engineer students since recovered and partly value of work done for private parties, &c., temporarily debited to this head pending recovery.

(*e*) *Deduct arrears due to Workshop Manufacture Suspense.*—This represents the Workshop liabilities for labor employed and materials purchased before the close of the year but not then paid for.

(*f*) *Deposits.*—This is the balance of advances recovered from private parties for works ordered and remaining unadjusted at end of the year pending completion of works.

9. The outturn of the shops during the year under report amounts to Rs. 1,24,316-8-0 made up as follows :—

	RS.	A.	P.
I. Works for Public Works Department	77,257	12	2
II. Other departments	43,167	6	8
III. Private parties	3,891	5	2
Total ...	1,24,316	8	0

MADRAS,
18th November 1890.

(Signed) C. H. P. CHRISTIE, Major, R E,
Examiner of Public Works Accounts.

ORDER—dated 3rd December 1890, No. 3201 W., Public Works.

The Examiner of Public Works Accounts submits a report on the results of the working of the Presidency Public Works Workshops for the year 1889-90.

2. The capital of the shops at the beginning of the year under review amounted to Rs. 1,98,226-4-10 and at the close of the year to Rs. 1,90,250-11-9, showing a decrease of Rs. 7,975-9-1.

3. The outturn of work is valued at Rs. 1,24,316-8-0 against Rs. 1,17,630-11-0 in the previous year, showing an increase of Rs. 6,685-13-0. The following statement compares the value of work turned out for the Public Works and other departments and for private parties during the year under review and the preceding year :—

—	1888-89.			1889-90.			Difference.			
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	
Work done for the Public Works Department ..	82,210	13	11	77,257	12	2	4,953	1	9	less.
Work done for other departments	31,114	0	7	43,167	6	8	12,053	6	1	more.
Work done for private parties	4,305	12	6	3,891	5	2	414	7	4	less.
Total ..	1,17,630	11	0	1,24,316	8	0	6,685	13	0	more.

4. The decrease in the value of work done for the department for whose benefit the workshops are chiefly maintained is unsatisfactory.

5. The profit and loss account shows the receipts during the year to have been Rs. 11,001-6-4 while the direct charges were Rs. 27,808-0-8 and the indirect charges Rs. 17,563-14-3. The total charges therefore were Rs. 45,371-14-11, showing a loss on the year's transactions of Rs. 34,370-8-7. The charges and the loss during the year compare favorably with those of the previous year which amounted to Rs. 50,778-10-10 and Rs. 49,832-1-0 respectively. In the present statement the charges have been increased by showing for the first time the gross cost of the establishment of the workshops. In the reports for previous years only the net amount charged in the accounts was shown after deducting the percentages charged on jobs executed for other departments and private parties.

6. The maintenance of these workshops imposes upon Provincial funds an annual loss of considerable amount, and the value of work done for the Public Works Department is so small that it is questionable whether the value of the shops to the department is such as to justify their continued existence. The Chief Engineer will give his consideration to this question at an early date and submit his views for the information of Government.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Chief Engineer, Public Works Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 3rd.

Recd. *Encl.*

G.O., 3rd Dec. 1890, No. 3201 W.

DECEMBER.

Presidency Public Works Workshops

Orders on report on the results of the working of the — for 1889-90.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Office note from the Examiner, Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 22nd November 1890, No. 6895.

In continuation of office note No. 5506, dated 15th September 1890, I beg to submit a list of vouchers long overdue on the 15th October 1890.

2. The list includes (1) vouchers of the accounts for April 1890 (and previous months) never received at all from the Executive Engineer concerned, and (2) vouchers for March 1890 (and previous months) which have at some time been received from the Executive Engineer, but have been returned to him for correction, completion, &c., and have never been resubmitted.

3. There has been a considerable reduction in the number of vouchers due from the Ganjam and No. I Periyár divisions, the numbers now outstanding being in the Ganjam division 21 against 82 in the last report, and in the No. I Periyár 33 against 337 ; these numbers are, however, still high when compared with the number in other divisions.

ENCLOSURE.

STATEMENT of vouchers long overdue on the 15th October 1890, with Executive Engineer's explanation (when received) and the Examiner's remarks.

N.B.—In column 5 " No " means that the voucher has never been received at all from the Executive Engineer, and " R " means that it was returned to him after receipt for correction, &c., and has not been sent back.

Serial number.	Month to which voucher relates.	Central office voucher number.	Amount of voucher.	Whether vouchers were ever received or not.	Executive Engineer's explanation and remarks by Superintending Engineer (if any).	Examiner's remarks.	Orders of Government.
1	2	3	4	5	6	7	8
			RS. A. P.		*Bellary.*		
1	April 1890 ..	64	45 0 0	No	The Executive Engineer reports that this voucher is still due from Sub-divisional officer and that urgent reminders have been sent for it.	(1) The Executive Engineer's attention has been called every month to the absence of the voucher.	The delay in submitting the voucher is unsatisfactory.
2	Do. ..	79	18 12 0	No	The Executive Engineer reports that the vouchers represent payment made to joint contractors who, owing to some misunderstanding between them, will not sign the bills; that the case having been referred to Sub-divisional officer for report and that the currency of the cheque by which payment was made having expired, it will be cancelled.	If the cheque is cancelled and the charge written back, there will be no unvouched payment.	The Examiner's suggestion is approved.
3	Do. ..	80	135 9 8	No			
					Gudiváda.		
4	February 1890..	44	2,312 14 6	R	Not explained by the Executive Engineer ..	The Executive Engineer's attention has been called every month to the absence of the voucher.	The delay in submiting these vouchers is unsatisfactory.
					Kurnool.		
5	March 1890 ..	59	644 15 5	No	See item 3 of last report. No further explanation received from the Executive Engineer.	See item 3 of last report. Executive Engineer's attention has been called every month to the absence of the voucher.	Do. do.
					North Arcot.		
6	February 1890..	168	5 0 0	No	No explanation has been furnished by the Executive Engineeer.	The Executive Engineer's attention has been called every month to the absence of these vouchers.	The delay in submitting these vouchers is unsatisfactory and the Superintending Engineer, V Circle, will see that special measures are taken to obtain them.
7	Do. ..	343	38 4 0	No			
8	Do. ..	12	2 8 0	R			
9	March 1890 ..	21	345 12 8	No			
10	Do. ..	284	64 10 0	No			
11	Do. ..	296	0 12 0	No			
12	April 1890 ..	51	0 10 0	No			
13	Do. ..	119	24 5 5	No			
14	Do. ..	146	25 14 6	No			
15	Do. ..	174	72 6 8	No			
16	Do. ..	175	64 0 5	No			
17	Do. ..	287	60 0 0	No			
18	August 1889 ..	Part 212	5 0 0	No			

					South Arcot.		
19	November 1889.	145	98 8 2	No	See item 8 of last report. No further explanation received.	The Executive Engineer's attention has been called every month to the absence of these vouchers.	Do. do.
20	February 1890.	169	181 5 7	R	No explanation furnished by the Executive Engineer.		
21	April 1890 ..	263	30 0 0	No			
					Vizagapatam.		
22	March 1890 ..	59	17 7 0	No	In his Nos. 809 and 927, dated 24th July 1890 and 6th August 1890, the Executive Engineer reports that these vouchers have been received without the signature of the Sub-divisional officer and subordinates concerned and that they will be sent as soon as received from the Koraput Sub-divisional office with the required information.	The vouchers have not been received up to date and Executive Engineer's attention has been called every month to their absence. The great delay in obtaining the signatures of Sub-divisional officers and subordinates to the vouchers seems unsatisfactory.	The submission of these vouchers should be expedited.
23	Do. ..	117	767 4 8	No			
24	Do. ..	120	57 14 1	No			
25	Do. ..	179	15 2 6	No			
26	Do. ..	180	6 0 3	No			
					West Coast.		
27	January 1890 ..	70	14 6 1	No	See item 11 of last report. In his No. 116, dated 30th September 1890, the Executive Engineer reports that the voucher is still awaited from the Sub-divisional officer and that a reminder has again been sent.	See items 11, 12 and 13 of last report. The Executive Engineer's attention has been called every month to the absence of these three vouchers.	The Superintending Engineer, IV Circle, will see that special measures are adopted to expedite the submission of these vouchers.
28	Do. ..	117	30 0 0	No	In his No. 116, dated 30th September 1890, the Executive Engineer reports that the voucher prepared afresh and submitted by Sub-divisional officer, Wynaad, was returned for revision as it was not in proper form.		
29	Do. ..	166	77 5 0	No	In his No. 116, dated 30th September 1890, the Executive Engineer reports that voucher is still awaited and that a reminder has been sent.		
30	April 1890 ..	3	19 1 0	No	In his number quoted above the Executive Engineer reports that the voucher will follow.	....	The submission of these vouchers should be expedited.
31	Do. ..	74	928 2 0	No	Do. do.		
32	Do. ..	75	565 6 0	No	Do. do.		
					Late Presidency Division.		
33	September 1889.	85C	155 5 2	No	See item 18 of last report. The Executive Engineer reports in his letter, No. 2966, dated 21st September 1890, to the Superintending Engineer, V Circle, that the voucher is not as yet forthcoming from the Senior Medical Officer, General Hospital, nor has any reply been received to the several reminders sent to him.	See item 18 of last report. The attention of the Surgeon-General has been drawn to the matter with a request that he will see to the early submission of the voucher.	Noted.

Statement of vouchers long overdue on the 15th October 1890, &c.—*cont.*

N.B.—In column 5 "No" means that the voucher has never been received at all from the Executive Engineer, and "R" means that it was returned to him after receipt for correction, &c., and has not been sent back.

Serial No.	Month to which voucher relates.	Central office voucher number.	Amount of voucher.	Whether vouchers were ever received or not.	Executive Engineer's explanation and remarks by Superintending Engineer (if any).	Examiner's remarks.	Orders of Government.
1	2	3	4	5	6	7	8
			RS. A. P.		*Ganjam.*		
34	May 1887 ..	322	103 3 0	R	The Executive Engineer reports that these vouchers cannot be found although a thorough search has been made for them.	As the vouchers cannot be found, the Executive Engineer might be directed to furnish a certificate of payment.	The Examiner's suggestion is approved.
35	Do. ..	7	10,375 2 10	No			
36	June 1837 ..	186	135 4 11	R			
37	February 1888.	189	20 0 0	No			
38	March 1888 ..	150	120 14 0	No			
39	Do. ..	160	31 13 2	No			
40	Do. ..	196	18 4 2	No			
41	Do. ..	196	7 12 10	No			
42	Do. ..	214	87 4 9	No			
43	September 1889.	277	12 6 9	No			
44	October 1889 ..	382	14 0 0	No			
45	May 1889 ..	667	9 0 0	No	The Executive Engineer states that these vouchers were sent to Examiner's office.	The vouchers are not traceable in the records of this office. The Executive Engineer might be required to furnish certificates of payment in these cases also.	Do. do.
	Do. ..	554	49 8 6	R			
46	February 1890.	45	6 14 6	No			
47	July 1889 ..	141	1 0 6	No	The Executive Engineer reports that these payments have been made by money order but that the vouchers were not returned by the payees.	The Executive Engineer should be required to forward the money order receipts of the payees.	Do. do.
48	Do. ..	157	9 11 6	No			
49	May 1887 ..	278	310 3 2	No	Sent to Chicacole sub-division; reminder sent but not yet received. Again reminded.	Vouchers are still awaited	Steps should be taken to expedite the submission of these vouchers.
50	July 1889 ..	185 A	49 8 0	No	Again written to Rushikulya		
51	Do. ..	90	350 0 0	R	Impounded by the Examiner	A fresh receipt in proper form should be obtained and forwarded. The impounded receipt is of no value.	The Examiner's suggestion is approved.
52	October 1889 ..	58 A	55 2 2	No	Returned to Chicacole sub-division but again incorrectly received; will have to be returned once more.	Vouchers are still awaited	Steps should be taken to expedite the submission of these vouchers.
53	November 1889.	76	117 5 10	No	Original was miscarried; another will be obtained and sent.		
54	Do. ..	83	0 12 6	No	Again written to Rushikulya		
55	Do. ..	228	39 13 2	No	Again returned to Northern Sub-divisional officer for correction.		
56	February 1890.	91	289 7 0	No	Returned to Chicacole Sub-division		
					Periyár No. I Division.		
57	Do. ..	..	....	..	The Executive Engineer in a letter, dated 1st November 1890, stated that endeavours will be made to submit as many of the vouchers as possible during the course of the month and order of Government requested with reference to vouchers that cannot be obtained at this late period owing to payees having left the division.	Thirty-three vouchers are due from this division, of which one has been received and returned, and thirty-two never received at all.	The arrears have been greatly reduced but they are still heavy. The Government trusts that the matter will continue to receive the Superintending Engineer's attention.

(Signed) C. H. P. CHRISTIE, *Major, R.E.,*
Examiner of Public Works Accounts, Madras.

Order—dated 4th December 1890, No. 3205 W., Public Works.

Communicated to officers concerned in continuation of G.O., No. 2602 W., dated 6th October 1890.

2. The orders of Government on the items reported have been recorded in the statement.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 4th.

Recd. *Encl.*

G.O., 4th Dec. 1890, No. 3205 W.

DECEMBER.

Vouchers

Orders on office note from the Examiner, Public Works Accounts, submitting a list of — long overdue on the 15th October 1890.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Lieut.-Colonel A. C. SMITH, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 6th October 1890, No. 658 M.D.

With reference to G.O., No. 1380 W., dated 16th May 1890, I have the honor to submit, for your approval, the accompanying estimate, amounting to Rs. 190, for repairing the Port officer's bungalow at Pámban.

2. The repairs estimated for are absolutely necessary, and the estimate will be sanctioned by me for execution after being approved by you, and the amount placed at the disposal of this department.

3. With reference to para. 2 of G.O., No. 2470 W., dated 16th September 1890, I have the honor to report that the area of the building, as noted in the Executive Engineer's report attached to the estimate, is 3,648 square feet, of which the area occupied as an office and store-room is 1,100 square feet. The normal rent chargeable for the portion occupied by the Port officer as his residence is Rs. 27-4-0, while the proportionate charge for office accommodation would be Rs. 11-12-0 per mensem.

4. The above rent of Rs. 27-4-0 for the residence of the Port officer is within 10 per cent. of his pay and allowance, but if it is ordered that the deduction of the proportionate rent now fixed for office, &c., be made from the rent of Rs. 32 actually paid by Mr. Carlyon at 10 per cent. of his pay, &c., then the amount payable by that officer will be Rs. 20-4-0.

No. 4261 C.

Forwarded to the Marine Department for approval of the estimate and acceptance of the proposed division of accommodation between quarters and office.

2. The enclosures of G.O., dated 27th August 1890, No. 319, Marine, are returned for reference.

(Signed) J. PENNYCUICK, Col., R.E.,
Secretary to Government, P.W.D.

20th October 1890.

From the Presidency Port Officer, dated 29th October 1890, No. 137/522 G.

I have the honor to return herewith the papers received with Marine Department reference, dated 27th October 1890 on current No. 950, and to observe that the alterations therein proposed to be carried out to the Port officer's quarters at Pámban seem to meet what is required.

2. As regards the deductions of rent to be made on account of the portion of the building utilized for office and store-room, I am of opinion that it should be from the actual rent now paid by Mr. Carlyon, viz., Rs. 32 per mensem, and that the total rent for the portion used as residence should not exceed Rs. 20-4-0 per mensem.

R. No. 252, Marine.

Approved and transferred, with referred papers returned, to the Public Works Department. It is suggested that, if permissible under existing rules, the deduction for that portion of the bungalow occupied as an office should be made from the rent actually paid at present for the whole building by the Port officer.

(By Order.)

(Signed) A. BUTTERWORTH,
Ag. Assistant Secretary.

18th November 1890.

ORDER—dated 4th December 1890, No. 3206 W., Public Works.

The estimate for repairing the Port officer's quarters at Pámban will be returned to the Superintending Engineer, VI Circle, for sanction and early execution.

2. The question of placing a sum of Rs. 236 * at the disposal of the Public Works Department from Port funds will be considered in the Financial Department.

	RS.
* For works	190
Establishment	43
Tools and plant ...	3
Total ...	236

3. The division of rent between office and quarters proposed by the Superintending Engineer is approved. The Government considers that the proportion must be calculated on the total normal rent of the building, and as the share to be paid by the Port officer is Rs. 27-4-0, or less than 10 per cent. of his salary, there is no reason for complaint.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with four enclosures.
„ Examiner, Public Works Accounts.
„ Marine Department.
„ Financial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 4th.

Recd. *Encl.*

G.O., 4th Dec. 1890, No. 3206 W.

DECEMBER.

Port Officer's quarters at Pamban, Madura District

Estimate for repairing the —, returned to the Superintending Engineer, VI Circle, for sanction, and the proposed division of rent between office and quarters, approved.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From Captain H. A. STREET, H.M.'s I.M., Presidency Port officer, to the Chief Secretary to Government, dated Madras, 27th October 1890, No. 1070/518G.

With reference to G.O., Financial, No. 701, dated 25th September 1890, I have the honor to beg that it may be pointed out to the Government that, until the receipt of the order, I had no idea that repairs to the old quay wall at the Masulipatam Fort were needed. I was not consulted in the matter by the Executive Engineer, Kistna Eastern division, and the local Port officer informs me that the fact of the wall requiring repair does not appear to have been communicated either to him or to his predecessor.

2. The Port officer also states that if it is the old moat wall which is to be repaired, he does not think that the cost should be met from Port funds. I would beg that the Public Works Department may be desired to send me the correspondence which led to the estimate for repairs being submitted, and I submit that, in all cases where the Public Works Department propose that the Port fund of a district should bear the cost of any work, I should be made acquainted by that department of the nature of the work.

Transferred to the Public Works Department with reference to its memorandum No. 4764 C., dated 20th November 1890, for the necessary action.

(Signed) J. F. PRICE,
Chief Secretary.

27th November 1890.

Order—dated 4th December 1890, No. 3207 W., Public Works.

Communicated with reference to G.O., No. 2684 W., dated 11th October 1890, to the Superintending Engineer, II Circle, who will forward the correspondence and estimate connected with the proposed repairs to the old quay wall at Masulipatam to the Presidency Port officer.

2. All estimates for works to be carried out from Port funds should in future be forwarded before sanction through the local Port officer to the Presidency Port officer for approval and countersignature.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" other Superintending Engineers (except III Circle).
To the Consulting Architect to Government.
" Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 4th.

Recd. *Encl.*

G.O., 4th Dec. 1890, No. 3207 W.

DECEMBER.

Old quay wall at the Fort, Masulipatam

Orders on correspondence in connection with the proposed repairs to the — and instructions issued in regard to the procedure to be adopted in future for the submission of estimates for works to be carried out from Port funds.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

Note by the Chief Engineer for Irrigation,	dated 9th Oct.	1888,	No.	91 E.W.
From the Superintending Engineer, II Circle,	" 12th "	"	"	279 G.L.
" " " III "	" 6th Nov.	"	"	171 C.
" " " IV "	" 31st Oct.	"	"	494 E.W.
" " " V "	" 1st Nov.	"	"	3354.
" " " VI "	" 25th Oct.	"	"	1660 T.J.
" " " VI "	" 12th Nov.	"	"	1789 T.J.
" " " Periyár Project,	" 9th Oct.	"	"	885 P.R.

G.O., dated 17th January 1889, Mis. No. 133 L., Local and Municipal.
G.O., dated 14th June 1889, Mis. No. 1321 L., Local and Municipal.

No. 24 E.W.

Note by the Chief Engineer for Irrigation.

[Proposed Rules in connection with Local Fund Roads on Public Works Department *Canal and Channel Banks.*]

With reference to para. 3 of memorandum No. 2998 C., dated 28th June 1889, of the Acting Chief Engineer, General and Roads and Building Branch, I would first say that the rules are intended to apply only to the cases where Local Fund roads run along the banks of *canals and channels* and have nothing to do with cases in which roads run on *river or tank* banks, such cases will require separate treatment;* this will dispose of many of the remarks and suggestions made by the Superintending Engineers and District Boards.

* See G.O., No. 1456, dated 30th April 1877. Special arrangement with the Local Funds, Godávari, printed and sent by Superintending Engineer, I Circle, with No. 1087, dated 25th July 1887, to Chief Engineer for Irrigation (herewith to be returned).

2. Of the remarks and suggestions which are really relevant the following appear to me to be those only which are of sufficient importance to require notice:—

(*a*) The Superintending Engineer, V Circle, considers that the provision in rule 7 that the "outer slope" shall be in charge of the Department of Public Works, and the provision in rule 9 that under certain restrictions the deposit of silt "on or against the outer slope shall not be prevented," are not consistent one with the other; there is some force in the objection, but it is certainly advisable that the Local Funds should have charge of, and general control over, the outer slope of the roads, and it is absolutely necessary that this department should not be debarred from placing silt clearances against such slopes when necessary, and I can only propose an alteration in the wording of rule 7 making it run thus:—

"(7) The surface of the road, the inner (canal) slope for one yard (vertical) down from top of the road, and all ramps on the outer side of the road, shall be in charge of the Local Funds,

as shall also be the outer slope of the bank with the reservation stated in rule 9; the inner slope (except the top yard) and all ramps and "cattle slopes" on that side shall be in charge of the Public Works Department."

3. The Superintending Engineer, VI Circle, points out the advisability of preventing the *planting* of trees likely to injure masonry works, and to rule 8 might be added: "No trees whatever may be *planted* within 50 yards, and no trees of the fig family within 100 yards, of any masonry work without the written permission of the Superintending Engineer."

4. The Superintending Engineer, Periyár, suggests certain verbal corrections in rule 5 which may or may not be made.

5. I consider a rule such as No. 4 in the agreement with the Godávari District Board (24th June 1887) about roads on *river* embankments might with advantage be introduced into those now under consideration to run thus:—

"Toll-bars will not be established on such roads without the approval of the Superintending Engineer of the Circle."

6. The suggestion made in many of the replies to substitute "Government" for the "Superintending Engineer" as the final referee in rule 11 is negatived in G.O., No. 1321 L., Municipal, dated 14th June 1889, but I consider that after all it will probably be better to make the *Chief Engineer* or the Government the final referee, Superintending Engineers themselves may not improbably often be parties in disputes on which the arbitration is required.

(Signed) G. T. WALCH,
Chief Engineer for Irrigation.

CHEPÂK,
31st October 1890.

To the Chief Engineer, Public Works Department.

ORDER—dated 4th December 1890, No. 3216 W., Public Works.

The papers above recorded contain the opinions called for in G.O., No. 2873 W., dated 14th September 1888, on the proposed "Rules and conditions of construction and upkeep of Local Fund roads on Public Works Department canal and channel banks."

2. The rules have been reported on by Superintending Engineers and District Boards, whose replies have been finally reviewed by Mr. G. T. Walch, Chief Engineer for Irrigation, who drew up the rules as Superintending Engineer of the I Circle; and as now amended by Government, they will be published for general adoption, and embodied in the Public Works Code as an appendix.

3. It is observed that several Public Works and District Board's officers erroneously consider the rules to be applicable to roads on river or tank banks, and a note has been added to the rules to make this point clear.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Local and Municipal Department.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 4th.

Recd. *Encl.*

G.O., 4th Dec. 1890, No. 3216 W.

DECEMBER.

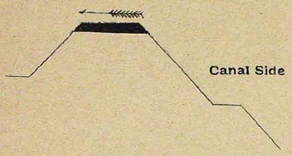
Rules for the construction and upkeep of Local Fund Roads on Public Works Department Canal and Channel Banks

Orders on papers containing the opinions called for in G.O., No. 2873 W., dated 14th September 1888, on the proposed —.

Accompaniment to G.O., No. 3216 W., dated 4th December 1890.

Rules and conditions of construction and upkeep of Local Fund roads on Public Works Department Canal and Channel banks.

No new road shall be formed along any canal or channel bank under charge of the Public Works Department, without previous written authority of the Superintending Engineer of the Circle, obtained through the President of the District Board.



2. The surface of all such new roads shall be formed with a slope entirely away from the canal, so that no drainage from the surface of the road may run down its inner slope, and in cases of extensive repair of existing roads not so arranged, their surfaces shall be made to slope as above stated.

3. The minimum height of such roads above the canal or channel full supply level shall in each case be laid down by the Public Works Department officers.

4. No masonry or other works which will let water *into* or *out* of the canal or channel shall be constructed, and no such existing work shall be altered, without the permission in writing of the Superintending Engineer and the approval by him of the plan of the proposed work.

5. The Public Works Department will have the right to at any time build, in or under the road, any sluice, culvert, bridge or other work, which may be required in connection with distribution from, supply to, or surplus from, the canal or channel. Whilst such work is under construction, the Public Works Department shall make a practicable temporary diversion of the road at the place and on completion of the work restore the disturbed portion of the road. The clear width of roadway over such structures shall be that given by the District Board to similar works on the same road or other roads of the same class.

6. The roadway over the masonry and other works which belong to the Public Works Department will be in charge of the District Board, but the structures themselves will remain in charge of the department.

7. The surface of the road, the inner (canal) slope for one yard (vertical) down from top of the road, and all ramps on the outer side of the road shall be in charge of the District Board, as shall also be the outer slope of the bank with the reservation stated in rule 9; the *inner* slope (except the top yard) and all ramps and "cattle slopes" on that side shall be in charge of the Public Works Department.

8. All trees, grass, &c., growing on the outside edge and slope of the road shall belong to the District Board. No trees shall be planted along the inner edge without special permission of the department. No trees whatever may be *planted* within 50 yards, and no trees of the fig family within 100 yards of any masonry work without the written permission of the Superintending Engineer.

9. The carriage of silt from canal and channel clearances across the road and its deposit on or against the outer slope shall not be prevented, provided it does not interfere with the efficient drainage of the road surface, does not injure avenue trees, and is so placed that none of it can be washed on to the surface of the road.

10. Occupation of the canal berms or slopes for deposit of materials or other purposes will be regulated by the rules already in force (see appendix I of the Public Works Code).

11. Toll bars will not be established on such roads without the approval of the Superintending Engineer of the Circle.

12. In cases of disagreement between the Public Works and Local Fund officers in the application of these rules, or in carrying out by either department of any works in connection with roads such as these rules apply to, the Chief Engineer for Irrigation shall be the final referee.

N.B.—These rules do not apply to roads on the banks of *rivers* or *tanks*.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—again the following paper :—

G.O., dated 16th April 1890, No. 1121 W., Public Works.

From the Venerable the Archdeacon of Madras, dated 8th November 1889, No. 192.

Endorsement in the Ecclesiastical Department, dated 28th November 1889.

From the Superintending Engineer, II Circle, dated 26th February 1890, No. 2546 K.S.

ABSTRACT.—Regarding the construction of a church at Guntúr.

Order—dated 16th April 1890, No. 1121 W., Public Works.

The Government observes that no grant is admissible in this case under rule 10, section IV, appendix D, Public Works Code. Guntúr is not the chief civil station of the district and it is improbable that the number of European British-born subjects, Protestants, in the general service of Government, at the station, amounts to the minimum for a grant, viz., 25.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

READ—also the following paper :—

From the Venerable J. F. BROWNE, B.D., Archdeacon of Madras, to the Chief Secretary to Government, dated Madras, 10th October 1890, No. 444.

On the 8th of November 1889, in my letter No. 192, I had the honor to address Government on behalf of the resident members of the Church of England in Guntúr, with a view to obtaining a grant-in-aid towards the erection of a small church at that station.

2. The application was considered and dealt with in G.O., No. 23, dated 23rd April 1890, stating that no grant is admissible in this case under rule X, section IV, appendix D, Public Works Code.

3. I venture again to address Government on the same subject and forward a letter from R. P. Gill, Esq., Honorary Secretary, Guntúr Church Building Fund, asking that the same may be favorably considered.

4. The residents of Guntúr have shown great liberality in their personal subscriptions, while the services in the temporary church have been well attended, and although the average of Government servants attending may not have come up to the actual number required, yet they form a large percentage and if the Volunteer Reserve Force be included, the letter states that the requirements of the clause as to numbers would be met.

5. Under the above circumstances, I would respectfully request Government to reconsider their previous decision.

Enclosure.

From R. P. GILL, Esq., Honorary Secretary, Guntúr Church Building Fund, and Warden of present Church, to the Venerable the Archdeacon of Madras, dated Guntúr, 3rd October 1890.

With reference to your letter of 6th May 1890, No. 334, communicating to me the order of Government, dated 28th April 1890, upon my application for a building grant to our church, I beg to tender you my best thanks for so strongly recommending a grant being made, and regret very much that we could not then put a sufficiently strong case before Government to command success.

2. In the meantime, however, circumstances have been working very favorably with our small temporary church, and I now feel warranted in soliciting your renewed sympathy and help in again addressing Government on the subject.

3. His Lordship, the Bishop of Madras, has visited us, and expressed his great satisfaction at all that he saw.

4. We presented to him seven candidates for confirmation.

5. At his visit, there were 30 communicants at Holy Communion and a congregation of 63 people.

6. During the past year 63 services were held, at which 1,754 people have been present, making even an average congregation of 28 people, while during the cooler months of the year the attendance was, on some occasions, over 45.

7. Our church is entirely self-supporting, and our monthly collections cover all the expenses of our services.

8. The Right Reverend the Bishop has sanctioned a monthly visit from a C.M.S. clergyman from Bezváda, and Government has also sanctioned his travelling expenses.

9. Under these circumstances, I therefore humbly beg to state that it is self-evident what good our little church is doing, and how firmly the enterprise has taken root, and although, according to the Government rule for such grants as we asked, there is the clause "in the general service of Government," we can show that we have ministered to the wants of 1,754 of Her Most Gracious Majesty's subjects during the year, and although the average of them, as Government servants, may not have come up to the actual "letter of the law," a very large percentage of them have been in Government employ, and even those that have not drawn a stipend from Government have had Her Most Gracious Majesty's service at heart, especially in this undertaking.

10. I believe, however, that if the Volunteer Reserve Force of the place be taken as "service of Government" we could quite satisfy Government under the clause quoted.

11. We have been collecting funds for nearly three years and have appealed to almost all our friends for help, and although the list seems to be exhausted, we have the gratification of having collected as much as Rs. 2,820. To this His Lordship the Bishop has promised to add Rs. 200, making our total *receipts* up to date to Rs. 3,020.

12. But of this we have spent upon the *construction* Rs. 870 and *equipment* Rs. 713 of our *temporary building*—in all Rs. 1,583, leaving us with an *available balance* of Rs. 1,437 (and equipment valued Rs. 713).

13. To this we may add Rs. 563 by sale of our present temporary building, and we shall then have Rs. 2,000 *in hand.*

14. The estimate for our permanent *church built of stone is* Rs. 3,500 and for the remaining sum required to give us a fully-equipped church, viz., Rs. 1,500, we have nowhere to turn to but to Government, and for this I now have the honor to request you to forward this my application to Government for a grant-in-aid of Rs. 1,500 for the construction of a permanent church at Guntúr.

Transferred to the Public Works Department.

(Signed) J. F. PRICE,
Chief Secretary.

28th October 1890.

Endorsement in the Ecclesiastical Department, dated 31st October 1890.
" " " " 11th November 1890.

ORDER—dated 5th December 1890, No. 3224 W., Public Works.

Ordered that the Government of India be addressed.

(Here enter No. 3225 W., dated 5th December 1890.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Ecclesiastical Department.
" Superintending Engineer, II Circle.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 5th.

Encl.

Recd.

G.O., 5th Dec. 1890, No. 3224 W.

DECEMBER.

Ecclesiastical Rules

Ordered that the Government of India be requested to define rule XI, section IV of the revised —.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from

Colonel J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department.

Sir,

I am directed to inquire whether rule XI, section IV of the revised Ecclesiastical rules * must be read as defining the conditions under which a grant may be made under rule X, or whether the grant admissible under rule XI may be given for a church at any civil station complying with the conditions of the rule, irrespective of the restrictions imposed by the opening words of rule X.

* Appendix D, Madras Public Works Code.

2. A copy † of the papers which have given rise to this reference is forwarded herewith for perusal. It is proposed to construct a church to accommodate about 60 people at Guntúr in the Kistna district; the Secretary to the Building Fund has in hand a sum of Rs. 2,000 raised by subscription towards its construction and equipment, and he applies to Government for a grant-in-aid of Rs. 1,500. Guntúr, however, is not the chief civil station of the district, and there are not resident there twenty-five European British-born subjects in the general service of Government, unless volunteer reservists be included in the category. This Government is therefore doubtful whether a grant-in-aid is admissible under the rules.

† Proceedings No. 3224 W., dated 5th December 1890.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

Fort St. George,
5th December 1890.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 5th.

Recd. *Encl.*

5th Dec. 1890, No. 3225 W.

DECEMBER.

—

Ecclesiastical Rules

Requesting a definition of rule XI, section IV of the revised —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From J. HANNAN, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department (through the Chief Engineer for Irrigation), dated Bezváda, 5th October 1890, No. 314 G.L.

I have the honor to forward, herewith, for your approval and sanction of Government, a statement of proposition for revision of the permanent and temporary * establishment, &c., in the II Circle.

* Altered to only permanent.
(Intld.) G. T. W.

2. The increase in the water regulation establishment of the Kistna delta system has been made with reference to Irrigation Chief Engineer's memo. No. II/100 K.S. of the 28th July 1890. Six additional lascars have been provided for water regulation owing to extension of irrigation. The above increase is applied for from 1st March 1891.

3. The increase in the Buckingham canal division toll establishment is required † for Papanchavadi and Pedda Ganjam ‡ wharves, the construction of which will be completed by the end of October 1890. The former permanently from 1st November 1890 and the latter temporarily each year during the closure of Kistna canals, including a few days before and after the closure.

† From 1st November
‡ Taken to the temporary establishment statement.
(Intld.) G. T. W.

4. With reference to para. 3 of G.O., No. 2276 W., of the 22nd August 1890, the abolition of the Pulicat sub-division and the institution of the head-quarter sub-division have been shown in the enclosed statement.

ENCLOSURE.

II CIRCLE.

STATEMENT of the proposition for revision of the permanent establishment.

Order sanctioning the present establishment (Government of Madras, P.W.D.) – No.	Order – Date.	Office to which the proposition refers.	Present scale – Number.	Present scale – Designation.	Present scale – Pay – Minimum (Rs.)	Present scale – Pay – Increment (Rs.)	Present scale – Pay – Maximum (Rs.)	Present scale – Pay – Average or fixed (Rs.)	Proposed scale – Number.	Proposed scale – Designation.	Proposed scale – Pay – Minimum (Rs.)	Proposed scale – Pay – Increment (Rs.)	Proposed scale – Pay – Maximum (Rs.)	Proposed scale – Pay – Average or fixed (Rs.)	Proposition – Permanent – Increase per month (Rs.)	Proposition – Permanent – Decrease per month (Rs.)	Temporary – Increase per month – Period.	Temporary – Increase per month – Amount (Rs.)	Temporary – Decrease per month – Period.	Temporary – Decrease per month – Amount (Rs.)	Remarks.
1562 W.	6th June 1890.	Kistna delta system.		*Water regulation.*						*Water regulation.*											
			1	Anicut Superintendent.	..	..	..	140	1	Anicut Superintendent.	..	..	..	140	..	..	..	..	..	..	To be sanctioned for next official year with effect from 1st March 1891.
			1	Assistant Superintendent.	..	..	..	40	1	Assistant Superintendent.	..	..	..	40	..	..	..	..	..	..	
			1	Clerk, V class, 1st grade.	15	1	20	18¾	1	Clerk, V class, 1st grade.	15	1	20	18¾	..	..	..	..	..	..	
			1	Clerk, V class, 2nd grade.	10	1	15	13¾	1	Clerk, V class, 2nd grade.	10	1	15	13¾	..	..	..	..	..	..	
			3	Delta Superintendents at Rs. 70.	..	..	..	210	3	Delta Superintendents at Rs. 70, 1st class.	..	..	..	210	..	..	..	..	..	..	
			5	Delta Superintendents at Rs. 55.	..	..	..	275	6	Delta Superintendents at Rs. 55, 2nd class.	..	..	..	330	55	..	..	..	..	..	
			6	Delta Superintendents at Rs. 40.	..	..	..	240	8	Delta Superintendents at Rs. 40, 3rd class.	..	..	..	320	80	..	..	..	..	..	
			17	Lascars at Rs. 8 each.	..	..	..	136	19	Lascars at Rs. 8 each.	..	..	..	152	16	..	..	..	..	..	
			17	Do. at ,, 7 ,,	..	..	..	119	19	Do. at ,, 7 ,,	..	..	..	133	14	..	..	..	..	..	
			28	Do. at ,, 6 ,,	..	..	..	168	29	Do. at ,, 6 ,,	..	..	..	174	6	..	..	..	..	..	
			29	Do. at ,, 5 ,,	..	..	..	145	30	Do. at ,, 5 ,,	..	..	..	150	5	..	..	..	..	..	
			1	Irrigation Clerk, V class, 1st grade.	15	1	20	18¾	1	Irrigation Clerk, V class, 1st grade.	15	1	20	18¾	..	..	..	..	..	..	
				Total per mensem ..	..	..	..	1,524¼		Total per mensem ..	..	..	..	1,700¼	176	..	..	..	..	..	
				Total per annum ..	..	..	..	18,291		Total per annum ..	..	..	..	20,403	2,112	..	..	..	..	..	

1051 W.	7th April 1888.	Buckingham canal.		OFFICE.						OFFICE.											
				Toll establishment.						*Toll establishment.*											
			1	Wharf Superintendent.	..	..	..	50	1	Wharf Superintendent.	..	..	..	50	..	..	..	..	..	..	For Papanchavadi wharf with effect from 1st November 1890.
			1	Clerk, V class, 1st grade.	15	1	20	18¾	1	Clerk, V class, 1st grade.	15	1	20	18¾	..	..	..	..	..	..	
			2	Toll-keepers ..	..	..	..	30	2	Toll-keepers ..	..	..	..	30	..	..	..	..	..	..	
			1	Assistant Toll-keeper.	10	1	15	13¾	1	Assistant Toll-keeper.	10	1	15	13¾	..	..	..	..	..	..	
			3	Wharf Clerks at Rs. 17½ each.	..	..	..	52½	4	Wharf Clerks at Rs. 17½.	..	..	..	70	17½	..	..	..	..	..	
			4	Lascars at Rs. 7 each.	..	..	..	28	4	Lascars at Rs. 7 each.	..	..	..	28	..	..	..	..	..	..	
			13	Do. at „ 6 „	..	..	..	78	15	Do. at „ 6 „	..	..	..	90	12	..	..	..	..	..	
			1	Clerk, IV class, 3rd grade.	20	2	30	27½	1	Clerk, IV class, 3rd grade.	20	2	30	27½	..	..	..	..	..	..	
			1	Clerk, V class, 1st grade.	15	1	20	18¾	1	Clerk, V class, 1st grade.	15	1	20	18¾	..	..	..	..	..	..	
			1	Lascar at Rs. 6. ..	..	..	..	6	1	Lascar at Rs. 6. ..	..	..	..	6	..	..	..	..	..	..	
			1	Shroff	..	..	..	8	1	Shroff	..	..	..	8	..	..	..	..	..	..	
			1	Do.	..	..	..	10	1	Do.	..	..	..	10	..	..	..	..	..	..	
				Total per month ..	..	..	..	341¼		Total per month ..	..	..	..	370¾	29½	..	..	..	..	..	
				Total per annum ..	..	..	..	4,095		Total per annum ..	..	..	..	4,449	354	..	..	..	..	..	
2276 W.	22nd August 1890.	Buckingham canal.		*Office establishment.*																	
			1	Clerk, IV class, 3rd grade.	20	2	30	27½		....	..	..	..	..	..	27½	..	..	..	..	
			1	Messenger on Rs. 6.	..	..	..	6		....	..	..	..	..	..	6	..	..	..	..	
				Petty establishment.																	
			3	Lascars on Rs. 6. ..	..	..	..	18		....	..	..	..	..	..	18	..	..	..	..	
		Kistna Eastern division.								*Office establishment.*											
			..	....	..	..	..	..	1	Clerk, IV class, 3rd grade.	20	2	30	27½	27½	..	..	..	..	..	Pulicat sub-division abolished is substituted by the head-quarter sub-division, Kistna. To have effect from 1st Oct. 1890.
			..	....	..	..	..	..	1	Messenger on Rs. 6.	..	..	..	6	6	..	..	..	..	..	
										Petty establishment.											
			..	....	..	..	..	..	3	Lascars at Rs. 6. ..	..	..	..	18	18	..	..	..	..	..	
					..	..	..	..			..	..	..	..	51½	51½	..	..	..	..	

No. 28 E.W.

Forwarded to the Joint Secretary to Government, Public Works Department, with a recommendation that the proposals be sanctioned. Those for Delta Superintendents (Kistna) have been altered to 3, 6 and 8 for 1st, 2nd and 3rd grade, respectively, the corresponding numbers in each of the grades being in the Godávari district, where there are 26 Delta Superintendents, 4, 10, 12. Letter, No. 944 K.S., dated 17th July 1890, from the Superintending Engineer, II Circle (herewith), states the ground on which the increased strength of Delta Superintendents are required from 1st March 1891.

The extra toll establishment for Buckingham canal required from 1st November is for the newly constructed wharf at Papanchavadi.

(Signed) G. T. WALCH,
Chief Engineer for Irrigation.

28th October 1890.

Office-note from the Examiner of Public Works Accounts, dated 27th November 1890, No. 7021.

ORDER—dated 6th December 1890, No. 3238 W., Public Works.

The statement of establishment, submitted by the Superintending Engineer, II Circle, with his letter above recorded, is sanctioned.

2. This sanction has been registered as Provincial No. 73 W. of 1890-91 and classified as establishment, permanent.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 6th.

Recd. *Encl.*

G.O., 6th Dec. 1890, No. 3238 W.

DECEMBER.

Establishment

The proposition statement for revision of the permanent—, submitted by the Superintending Engineer, II Circle, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From H. IRWIN, Esq., C.I.E., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 26th November 1890, No. 2608.

With reference to G.O., No. 1264 W., dated 2nd May 1890, I have the honor to submit plans and estimates, the latter amounting to Rs. 3,56,255, for constructing the Connemara Free Library and Victoria Technical Institute. The difference excess between the approximate estimate and the one now submitted, Rs. 51,985, is chiefly due to the greater cost of the tower which was found necessary in elaborating the details and also to the cost of the book cases in the library, which I regret to say I under-estimated. In working out in detail the wood and iron work in these book cases a very much higher rate had to be put on. If a reduction has to be made in the estimate, only a portion of these might be made at first and others added as books are received, as it is very unlikely that the library will be filled until many years have passed.

2. The foundations are all in for the library, and they are nearly completed for the institute and tower; a good portion of the internal plinth of the library is built, woodwork is in progress, materials are ordered and are being brought to site, and I have every hope that the work will proceed rapidly.

Note by the Chief Engineer, Public Works Department.

The undersigned thinks it is worth considering whether the tower might not be reduced in height by the omission of three of its stories. Seven floors consisting of rooms 16 feet square is scarcely a convenient arrangement for a residence or an office. The tower is estimated to cost Rs. 38,126, and though the foundations have been put in, it might with advantage be modified in design.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

3rd December 1890.

Order—dated 6th December 1890, No. 3239 W., Public Works.

The estimate, amounting to Rs. 3,56,255, for constructing the Connemara Free Library and Victoria Technical Institute, Madras, is sanctioned in supersession of the approximate estimate of Rs. 3,04,270 sanctioned in G.O., No. 1264 W., dated 2nd May 1890.

2. The Consulting Architect to Government will report on the suggestions made in the note by the Chief Engineer, Public Works Department, above recorded.

3. This sanction has been registered as Provincial No. 82 W. of 1890-91, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government, with twelve enclosures.
,, Examiner, Public Works Accounts.
,, Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 6th.

Recd. *Encl.*

G.O., 6th Dec. 1890, No. 3239 W.

DECEMBER.

Connemara Free Library and Victoria Technical Institute

Estimate of Rs. 3,56,255 for constructing the —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From W. P. AUSTIN, Esq., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government, Marine Department, dated Madras, 24th November 1890, No. 662.

I have the honor to submit herewith, for the information of Government, the usual monthly statement of progress made upon the Harbour Works for the month ending 31st October, together with plan.

PROGRESS STATEMENT No. 10.

ENCLOSURES.

MADRAS HARBOUR WORKS.

STATEMENT showing progress during October 1890 as shown on accompanying lithographed plan No. 9.

NOTE.—The figures in *block* type denote for comparison progress and quantity of work done in October 1889.

No. of item.	Particulars and quantity of work, &c.	Sub-heads of work.	North Pier. Rubble base.	North Pier. Superstructure.	North Pier. Wavebreaker.	North Pier. Concrete capping.	North Pier. Base protection.	South Pier. Rubble base.	South Pier. Superstructure.	South Pier. Wavebreaker.	South Pier. Concrete capping.	South Pier. Base protection.	Pallávaram quarries outturn.	Concrete block-making.	Railway lines at works.	Railway lines at quarries.	Railway lines, Sand line.	Railway lines, Beach improvements.	Protective works.	Total expenditure in October 1890.
		Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Rubble stone deposited from boats	Tons.	3,917¾	..	..	..	..	1,322¾	..	..	..	..	..	..	..	..	..	..	..	..
2	Do. do. from wagons	,,	..	..	..	..	..	..	..	..	..	..	5,240½	..	..	..	..	..	..	..
3	Total quantity rubble stone received on works	,,	..	..	..	..	..	..	..	..	..	..	**2,504**	..	..	..	..	..	..	..
4	Do. blasted chips do.	,,	..	..	..	..	..	..	..	..	..	..	668½	..	..	..	..	..	..	..
5	Do. large stones do.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Concrete blocks, set by divers	Number.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	Do. deposited in wavebreaker	,,	..	..	**143** 146	..	..	..	..	**64** 18	..	..	..	..	..	..	..	..	..	..
8	Do. made for superstructure	,,	..	..	..	..	..	..	..	..	..	..	..	**144** 41	..	..	..	..	..	..
9	Do. do. wavebreaker	,,	..	..	..	..	..	..	..	..	..	..	..	**25** 11	..	..	..	..	..	..
10	Wrought-iron cramp fixed in position	,,	..	**24** 36	..	..	..	..	..	*Nil.* 11	..	..	..	..	..	..	..	..	..	..
11	Total outturn of concrete	C. yds.	..	..	..	..	182¼	..	..	..	..	..	..	**2,822½** 887⅓	..	..	..	..	..	..
12	Advance or progress of completed superstructure	Ry. ft.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	Rubble base protected with concrete	,,	..	..	..	..	164	..	..	..	..	..	..	..	..	..	..	..	..	..
14	Metre gauge, 40 lb. per yard laid new	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	Do. do. relaid or renewed	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Do. do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	Broad gauge, 50 lb. per yard laid new	,,	..	..	..	..	..	..	522	..	..	..	..	..	..	..	..	..	..	..
18	Do. do. relaid or renewed	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	Do. do. taken up	,,	..	1,807	..	..	..	..	2,796	..	..	..	..	..	..	..	..	..	..	..
20	Titan gauge, 75 lb. per yard laid new	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	Do. do. relaid or renewed	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	Do. do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Approximate expenditure under sub-heads of work	Rs.	2,126	2,668	1,193	..	470	296	3,318	749	..	..	7,809	13,445	..	..	50	..	..	32,124

		TONS	CWTS.	QRS.	LB.
3,136 casks of cement received on works during October 1890 containing		560	0	0	0
877 do. issued for do. ,, ,, do.		156	12	1	8
23,886 do. balance in store at end of ,, ,,		4,265	7	1	7

Quantity due on indents.		TONS	CWTS.	QRS.	LB.
Dated 14th March 1890	=	552	13	2	8

(Signed) A. L. POGSON,
Engineer, Harbour Trust Board.

MADRAS,
5th November 1890.

EXTRACT of Proceedings of the Trustees of the Harbour of Madras at a Meeting held at the Sea Customs Office on Friday the 21st day of November 1890.

* * * * *

10. Examined statement of progress made upon the Madras Harbour Works during October 1890, with a plan.

Resolved—that this report be submitted to Government.

* * * * *

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

Transferred to the Public Works Department.

FORT ST. GEORGE,
2nd December 1890.

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 6th December 1890, No. 3240 W., Public Works.

Recorded.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R E.,
Secretary to Govt., P.W.D.

To the Chairman, Madras Harbour Trust Board.
" Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 6th.

Recd. *Encl.*

G.O., 6th Dec. 1890, No. 3240 W.

DECEMBER.

Madras Harbour Works

Progress report of the — for October 1890, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From the Most Rev. J. COLGAN, D.D., Archbishop of Madras, to the Secretary to Government, Public Works Department, dated Madras, 10th November 1890.

I have the honor to forward an application to His Excellency the Governor in Council in reference to the repairs of the Roman Catholic Cathedral, Armenian Street, Madras.

In 1881 this church was repaired by Government at a cost of Rs. 3,080. My predecessor on that occasion elected to accept the above amount as a compensation for the sittings till then supplied to the Military in the Garrison of Fort St. George, and, as he was unwilling to allow the cathedral to become Government property, accepted the rule laid down in Proceedings of Government, Public Works Department, No. 2756, dated 3rd November 1879, by which, in future, claims for repairs would be stopped, and, in lieu thereof, compensation for military sittings would be granted. It was thought at the time that this arrangement would bring annually a handsome sum, with the aid of which all necessary repairs might be made. However, in this we were entirely disappointed, and for the last nine years the yearly receipts average a little over Rs. 400. The receipts for the last two years amount to, in 1888, Rs. 183, and, in 1889, Rs. 216. These sums are hardly sufficient to keep the benches and interior fittings of the church in repair and in good order, and allow nothing for the repairs of the building itself, which I am sorry to say now stands in need of extensive repairs. It is not in our power to give over the building to Government, as it is the cathedral church of Madras, towards the building and maintenance of which the Catholics of Madras have always contributed their share. Since 1836 the total amount contributed by Government for enlarging and repairing this church amounts to Rs. 6,900, and during all that time accommodation was always afforded to the Catholic soldiers and civilians in the service of Government. Although my predecessor accepted the rule laid down in Proceedings of Government, Public Works Department, No. 2756, dated 3rd November 1879, yet it was under an impression, that has been proved to be incorrect, that the payment for sittings for the soldiers by Government would enable him to keep the church in repair. This has proved an entire failure and the amount received in this way, together with contributions from the Catholics of Madras, have only enabled us to keep the interior of the building with its fixtures in a decent condition. Under these circumstances and considering that the Church of St. Francis Xavier at Pallávaram, though placed in the same condition, has been lately repaired at Government expense, I would respectfully request His Excellency in Council to sanction an estimate being drawn up by the Executive Engineer, Presidency Division, for the necessary repairs, and a Government grant allowed for carrying out the work.

ORDER—dated 8th December 1890, No. 3251 W., Public Works.

In his letter above recorded, the Most Rev. Archbishop Colgan requests that an estimate may be drawn up by the Public Works Department for the necessary repairs to the Roman Catholic Cathedral, Madras, and that a Government grant be allowed for carrying out the work.

2. The Honorable the Governor in Council observes that the Government of India letter, printed with Proceedings, No. 2756 W., dated 3rd November 1879, distinctly bars the grant of any allotment by Government towards the cost of repairs to the building in question. The church is classed as a private one and the only assistance which the Government is authorised to give (and has regularly given) is in the shape of payment for sittings occupied by British troops. The case was definitely settled by G.O., No. 1594 W., dated 7th July 1880.

3. From the Archbishop's present letter it seems to have been expected that the pew rents paid by Government should cover the whole cost of repairs to this church, whereas it is obvious that they are, and should be, intended only to help towards the repairs.

4. In these circumstances the Governor in Council regrets that the Archbishop's request cannot be complied with.

5. The Archbishop quotes as a precedent the case of St. Francis Xavier's Church at Pallávaram, which he states was lately repaired at the expense of Government, but the Government is unable to trace any authority for such repairs. Pew rents for the Pallávaram church have been regularly paid and no grant has been made by Government for repairs to the building. The Superintending Engineer, V Circle, will submit a full report on this subject, stating the amount of the expenditure and the authority under which it was incurred.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Most Rev. Archbishop Colgan, D.D.
,, Superintending Engineer, V Circle.
,, Examiner, Public Works Accounts.
,, Ecclesiastical Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 8th.

Recd. *Encl.*

G.O., 8th Dec. 1890, No. 3251 W.

DECEMBER.

Roman Catholic Cathedral, Madras

Passing orders on application of the Most Rev. Archbishop Colgan for repairing the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From W. A. HAPPELL, Esq., President, District Board, Godávari, to the Chief Secretary to Government, dated 2nd April 1890, No. 38.

I have the honor to forward an estimate, amounting to Rs. 6,300, for improving the Local Fund High school house at Amalápuram, and request that Government will be pleased to accord its sanction to the same.

2. The estimate and the plan have been approved by the Superintending Engineer, I Circle, and sanctioned by the District Board at its meeting held on the 29th March 1890 (*vide* copy of resolution enclosed).

No. 217, Local and Municipal.

Transferred to the Public Works Department.

Fort St. George, 25th April 1890. (Signed) A. BUTTERWORTH, Ag. Under Secretary.

From J. W. MARTIN, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 16th September 1890, No. 1234 G.D.

With reference to your memorandum, No. 2208 C., dated the 12th May 1890, I have the honor to resubmit, herewith, the plan and the estimate for improving the Local Fund school house at Amalápuram together with the Local Fund Engineer's letter, No. 134, dated the 2nd August 1890, from which it will be observed that the instructions contained in the above memorandum have received attention with the exception of those about doors and windows, in which case the standard court house plan could not be adopted entirely as the whole of the existing building will not be dismantled.

2. As regards the approval of the Director of Public Instruction to the plan and estimate, I beg to suggest that the papers should be sent to him from your office, as this will save delay.

From the Local and Municipal Department, dated 24th November 1890.

ORDER—dated 8th December 1890, No. 3252 W., Public Works.

The estimate, amounting to Rs. 7,700, for improving the Local Fund High school at Amalápuram in the Godávari district, is sanctioned.

2. This sanction has been registered as Local No. 29 W. of 1890-91.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Local and Municipal Department, with seven enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 8th.

Recd. *Encl.*

G.O., 8th Dec. 1890, No. 3252 W.

DECEMBER.

High School

Estimate of Rs. 7,700, for improving the Local Fund — at Amalápuram, Godávari district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From the Examiner, Public Works Accounts, dated 2nd December 1890.

ABSTRACT.—Return showing dates of receipt of accounts for October 1890 in the office of the Examiner, Public Works Accounts, Madras.

ORDER—dated 8th December 1890, No. 3255 W., Public Works.

The Examiner, Public Works Accounts, submits a report showing the receipt of divisional accounts for the month of October 1890, from which it is observed that the undermentioned divisions were in arrears :—

Kistna Eastern	2 days late.
Presidency Stores	1 day ,,
Tinnevelly	3 days ,,

2. Explanation has been received only from the Tinnevelly division.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
,, the Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 8th.

Recd *Encl.*

G.O., 8th Dec. 1890, No. 3255 W.

DECEMBER.

Divisional Accounts

Passing orders on report submitted by the Examiner, Public Works Accounts, showing the receipt and disposal of — for October 1890.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

ORDER—dated 12th December 1890, No. 3304 W., Public Works.

The alterations in the circle charges sanctioned in G.O., No. 3024 W., dated 13th November 1890, render necessary a redistribution of the executive establishment between circles.

2. The statement appended to these proceedings shows the scale of Executive Engineers, Assistant Engineers and Upper Subordinates which is in future to be considered the allotment for each division and circle.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
To Superintending Engineers.
To the Superintendent of Works, Periyár Project.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 12th.

Encl.

Recd.

G.O., 12th Dec. 1890, No. 3304 W.

DECEMBER.

Executive Establishment

Redistributing the — between circles.

Appendix to G.O., No. 3304 W., dated 12th December 1890.

Circles.	Divisions.	Sub-divisions.	Executive Engineers.	Assistant Engineers.	Upper Subordinates.
I.	Rushikulya	3	1	2	6 + 2
	Ganjam	3	1	..	5 + 3
	Vizagapatam	4	1	1	6
	Godávari East	5	1	2	9
	Godávari West	4	1	2	8
	Tank No. VII Party	..	..	..	0 + 2
	Tank No. VIII Party	..	..	..	0 + 1
	Total ..	..	5	7	34 + 8
II.	Kistna East	3	1	2	6
	Kistna West	2	1	2	6 + 1
	Gudiváda	2	1	1	3 + 1
	Nellore	3	1	3	10
	Buckingham Canal	2	1	..	6
	Total ..	..	5	8	31 + 2
III.	Bellary	3	1	1	6 + 3
	Cuddapah	2	1	..	5
	Kurnool	5	1	1	11 + 2
	Total ..	..	3	2	22 + 5
IV.	Coimbatore	5	1	2	14 + 3
	West Coast	4	1	1	7 + 2
	Tank No. IV Party	..	1	..	0 + 1
	North Arcot	3	1	2	8 + 2
	Tank No. V Party	..	..	..	0 + 1
	Total ..	..	4	5	29 + 9
V.	South Arcot	4	1	1	8
	Cuddalore Bridge Works (Special Sub-division.)	..	1	..	..
	Chingleput	3	1	1	7 + 3
	Presidency Workshops	..	1	..	1
	Tanjore	3	1	2	9
	Negapatam	3	1	1	7
	Total ..	..	6	5	32 + 3
VI.	Trichinopoly	2	1	..	6
	Madura	3	1	2	11 + 3
	Tinnevelly	3	1	1	6 + 1
	Tank No. I Party	..	1*	..	0 + 1
	Tank No. II Party	..	..	..	0 + 1
	No. II Periyár Division	4	1	3	0 + 8
	Total ..	..	4 + 1*	6	23 + 14
	No. I Periyár Division	3	1	3	0 + 8
	Secretariat	..	2	..	..
	Consulting Architect	4	1	1	5
	Supernumeraries	..	7	..	3 + 2
	Total ..	..	38 + 1*	37	179 + 51

* One foreign officer.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From W. P. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, Marine Department, dated Madras, 24th November 1890, No. 666.

I have the honor to acknowledge the receipt of G.O., No. 3087, dated 19th instant, which was considered by the Trustees at their meeting on Friday last, and I submit herewith, for the information and orders of Government, copy of resolution passed thereon.

2. The Board notes that " so long as there is no rain the main drain can be kept closed and the nuisance complained of will not exist " (*vide* letter from the President, Madras Municipal Commission, No. 1040 P.W., printed with G.O., No. 2483 W., Public Works, dated 17th September 1890). It would therefore appear that all that has to be provided for is the effective discharge into the sea of storm-water overflow mixed with sewage, which at present together with leakage forms a stagnant and very offensive pool between the shutters of the drain and the sea.

3. It will be within the recollection of Government that a still greater nuisance existed, last year, on the sand to the south of the Harbour where the storm-water overflow mixed with sewage from the intercepting sewer formed a stagnant and very offensive deposit of many acres in extent; this nuisance has been entirely removed by the construction of an open intercepting channel, which carries the storm-water and sewage into the sea immediately to the south of the south arm of the Harbour.

4. The proposal put forward by the Board's Engineer, and approved by the Trustees, is to construct an open cemented drain to as near high water mark as possible; the door of the sewer can be kept closed by the Municipality at all times except when rain necessitates the sluice doors being opened, and the overflow would then be carried away without spreading over and percolating into the sand as at present.

5. A bar of sand must of necessity form across the mouth of this open drain, but this could be cut in a very short time whenever necessary, and should the open drain partially fill with sand it can be easily cleared, which would not be the case with a closed sewer running down to low water. Should such a closed sewer become choked great difficulty would be experienced in clearing it.

6. The Board would request that the attention of the Municipality be drawn to the necessity of keeping the doors of the drain properly closed and would submit that the cutting of the bar at the mouth of the open drain, should Government approve of such being constructed, would rest with the Municipality as in the case of the discharge of storm-water and sewage from the main drain immediately to the north of the Harbour. In the meantime pending the orders of Government the bar will be kept open by the Trust to prevent as far as possible any continuance of the nuisance during the prevalence of the present monsoon.

7. If Government approves of the suggestion for an open cement drain, the Board's Engineer will be directed to construct it as soon as possible; but should Government think any other plan better, the Board is prepared to carry out any design which they may be directed to adopt instead.

ENCLOSURE.

EXTRACT of Proceedings of the Trustees of the Harbour of Madras at a Meeting held at the Sea Custom Office on Friday the 21st day of November 1890.

* * * * *

2. Read letter from the Officer Commanding Wing 1st Battalion Duke of Cornwall's Light Infantry, calling attention to the nuisance caused by the main drain near Fort St. George, also Board's Engineer's letter No. 923½, dated 1st November 1890, reporting upon the above drain, and G.O., No. 3087, dated 19th idem, directing that the seaward extension of the outfall sewer should be taken in hand at once.

Read minute by Major W. L. C. Baddeley, R.E.

Mr. Pogson was in attendance and explained his proposals to the Trustees.

Resolved— that the Board's Engineer be directed to extend the drain and that his proposals for so doing be adopted subject to the approval of Government. The Trustees note that "so long as there is no rain the main drain can be kept closed and the nuisance complained of will not exist;" and, as the present nuisance is partly attributable to the leakage of the shutters, would request that the attention of the Municipality be called to the necessity of keeping these shutters in proper order.

* * * * *

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

Transferred to the Public Works Department.

FORT ST. GEORGE,
2nd December 1890.

(Signed) J. F. PRICE,
Chief Secretary.

Note by the Chief Engineer, Public Works Department.

The undersigned considers that the proposal of the Harbour Trust Board to construct an open cement drain in continuation of the present drain is satisfactory, and recommends its adoption.

2. It may be supposed that an open drain would be the cause of nuisance, but in point of fact the extension will only carry sewage largely diluted, for a short period during heavy rain, and this will cause no nuisance at all. The present nuisance is caused by the stagnant deposit which remains after the rain has stopped and when the drain has ceased to discharge.

3. The undersigned agrees with the Chairman of the Board that an open drain will be less liable to obstruction and easier to clear when obstructed than a closed one.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

ORDER—dated 13th December 1890, No. 3305 W., Public Works.

The Board's proposals are approved.

2. The attention of the Municipality will be drawn in the Local and Municipal Department to para. 6 of the Chairman's letter.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chairman, Madras Harbour Trust Board.
„ Local and Municipal Department.
„ Military Department.
„ Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3305 W.

DECEMBER.

Municipal Drain outside Fort St. George

The proposal of the Harbour Trust Board to construct an open cement drain in continuation of the present —, approved with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

Proceedings of the Government of India, Public Works Department (General), dated Calcutta, 25th November 1890, No. 3256 G.

The Governments of Madras and Bombay, Public Works Department (General and Railway Branches).
The Governments of Bengal and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana and Baluchistan.
The Accountant-General, Public Works Department.
The Director-General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division and Lucknow.
The Director-General of Telegraphs.

The following is forwarded to the Local Governments, Administrations and Officers noted in the margin, for information.

Also to the Military Department.

(By order.)

(Signed) G. H. D. WALKER,
Under-Secy. to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

From the Secretary to the Government of India, Public Works Department, to the Secretary to the Government of the North-West Provinces and Oudh, Public Works Department, dated 6th November 1890, No. 3126 G.

With reference to correspondence ending with this office No. 932 G., dated the 7th April last, I am directed to state that the Secretary of State for India has been pleased to decide that continuous service Royal Engineer Officers, if appointed, while on furlough, to the School of Military Engineering, Chatham, under article 7 of the Royal Warrant of 20th February 1886, may, if they desire it, draw furlough pay and allowances in lieu of English pay and allowances while going through the Chatham course.

2. The only allowance that can be drawn with furlough pay is lodging allowance at the Indian rate when the officer is not provided with quarters. The rule in Appendix H to Volume I of the Public Works Department Code will be modified accordingly.

ORDER—dated 13th December 1890, No. 3307 W., Public Works.

Communicated to Officers concerned.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Engineer for Railways.
" Chief Engineer for Irrigation.
" Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Superintendent of Works, Periyár Project.
To Superintending Engineers.
To the Examiner, Railway Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3307 W.

DECEMBER.

Royal Engineer Officers

Decision of the Secretary of State that continuous service —, if appointed to the School of Military Engineering, Chatham, under article 7 of the Royal Warrant of 20th February 1886, may draw furlough pay and allowances in lieu of English pay and allowances while going through the Chatham course, communicated to officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 10th November 1890, No. 1564 G.D.

I have the honor to submit herewith an estimate, amounting to Rs. 8,480, for widening and gravelling the river flood bank from Dowlaishweram head-sluice to 4 miles down the left bank of the Gowtami-Godávari for adopting it as a road, and to request that you will be so good as to obtain the sanction of Government for the same. Copy of the Local Fund District Board's Proceedings, Godávari, dated the 4th April 1890, in which the Board have agreed to meet the cost of the work, is herein enclosed. The portion of the flood bank referred to is at present allowed to be used for traffic, but as it is getting very much cut up, to the danger of the bank, it is proposed to widen the bank to 12 feet wide at top and to prevent the same. The work will be carried out by this department.

Office note from the Chief Engineer for Irrigation, dated 26th November 1890.

ORDER—dated 13th December 1890, No. 3308 W., Public Works.

The estimate, amounting to Rs. 8,480, for widening and gravelling the river embankment from Dowlaishweram head-sluice to mile 4 on the left bank of the Gowtami-Godávari, is sanctioned for execution by the Public Works Department.

2. This sanction has been registered as Local No. 31 W. of 1890-91.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Government, P.W.D.

To the Superintending Engineer, I Circle, with four enclosures.
„ Examiner, Public Works Accounts.
„ Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3308 W.

DECEMBER.

River Embankment

Estimate of Rs. 8,480 for widening and gravelling the — from Dowlaishweram head-sluice to mile 4 on the left bank of the Gowtami-Godávari, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads,
Civil Works.

READ—the following paper :—

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 24th November 1890, No. 1667 G.D.

I have the honor to submit, herewith, a plan and estimate, amounting to Rs. 20,420, for a steam launch, for the Vasista Godávari river ferry at Narsápur, in the Godávari district, and to recommend that the same may be sanctioned under Incorporated Local Canal and Ferry fund, Tools and plant.

2. The Collector of the Godávari district has asked this office for a plan and estimate for the said steam launch, and these documents have, as usual, been prepared by the Deputy Director of the Indian Marine, Kidderpore Dockyard. The estimate is accompanied by a specification which sets forth the details of construction.

3. The sum of Rs. 25,000 has been allotted for this work in the current year's budget under Incorporated Local, and, as soon as the estimate is received sanctioned, the Deputy Director of the Indian Marine will be requested to state the probable amount that he can spend before the close of the official year, and on his reply the balance will be surrendered.

4. The plan and estimate have received the approval of the Collector.

ORDER—dated 13th December 1890, No. 3309 W., Public Works.

The estimate, amounting to Rs. 20,420, for constructing a steam launch for the Narsápur ferry in the Godávari district has been increased to Rs. 24,504 by the provision of 20 per cent. for cost of re-erection and is sanctioned for the latter amount.

2. This sanction has been registered as Incorporated Local No. 30 W. of 1890-91, and classified as Tools and plant.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle, with three enclosures,
" Examiner, Public Works Accounts.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3309 W.

DECEMBER.

Steam Launch

Estimate for a — for the Narsápur ferry in the Godávari district, increased to Rs. 24,504 and sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

From A. JOYCE, Esq., Executive Engineer, West Coast Division, to the Superintending Engineer, IV Circle, dated Mangalore, 19th November 1890, No. 497.

The old Munsif's Court-house at Pálghat having been relinquished by the Judicial Department, I have the honor to request sanction for its transfer to the Forest Department, as the District Forest officer, South Malabar, in his No. 810, dated 8th instant, states that the building is required "for locating the Pálghat Range office which is now held in a small temporary building within the Ranger's own compound."

No. 370 E.W.

Copy submitted to the Chief Engineer, Public Works Department, for favor of obtaining sanction of Government to the transfer of the old District Munsif's Court at Pálghat to the Forest Department with reference to para. 980 of the Public Works Code.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
27th November 1890. Superintending Engineer, IV Circle.

Order—dated 13th December 1890, No. 3310 W., Public Works.

Sanctioned.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Judicial Department.
" Revenue "

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3310 W.

DECEMBER.

Old District Munsif's Court-house at Palghat

The transfer of the — to the Forest Department, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

G.O., dated 5th November 1890, Mis. No. 2841 L., Local and Municipal.

Read—the following paper from the Public Works Department, dated 24th October 1890, No. 2824 W., requesting the Financial Department to place the funds necessary for the causeway across the Pálár river on the road from Ranipet to Arcot at the disposal of the Public Works Department.

Order—dated 5th November 1890, Mis. No. 2841 L., Local and Municipal.

Recorded with the remark that no action need be taken in this case in the Financial Department pending the disposal of the alternative scheme submitted by the President and transferred to the Public Works Department with endorsement, dated 31st October 1890, No. 897.

(True Extract).

A. G. CARDEW,
Under-Secretary.

G.O., dated 11th November 1890, No. 802, Financial.

Read—the following paper from the Public Works Department, dated 24th October 1890, No. 2824 W., requesting that the sum of Rs. 12,450 may be placed at its disposal to be spent on the causeway across the Pálár river on the road from Ranipet to Arcot.

Order—dated 11th November 1890, No. 802, Financial.

The Accountant-General will place the sum of Rs. 12,450 at the disposal of the Public Works Department from Provincial funds for expenditure during the current official year.

2. As reduced, the estimate stands at Rs. 53,112, the charge for supervision (23 per cent.) will therefore amount to Rs. 12,215, and the present grant slightly exceeds what was promised in section A of G.O., No. 2275 W., dated 22nd August 1890.

3. Subsequent charges must be borne by the District Board.

(True Extract.)

(Signed) A. BUTTERWORTH,
Ag. Asst. Secretary.

G.O., dated 19th November 1890, No. 836, Financial.

Read—the following Proceedings in the Local and Municipal Department, dated 5th November 1890, Mis. No. 2841 L., recording with remark Government Order, Public Works Department, to place at the disposal of Public Works Department funds necessary for the causeway across the Pálár river on the road from Ranipet to Arcot.

Order—dated 19th November 1890, No. 836, Financial.

If action has been taken on G.O., No. 802, Financial, dated 11th November 1890, the Public Works Department can hold the funds in reserve until the question is settled.

(True Extract.)

(Signed) A. BUTTERWORTH,
Ag. Asst. Secretary.

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 22nd November 1890, No. 3927.

Having received from the Executive Engineer, North Arcot, the letter, copy enclosed, from the District Board, North Arcot, No. 297, dated 29th September 1890, I have the honor to surrender the sum of Rs. 12,450 granted in G.O., No. 2824 W., dated 24th October 1890, for the Arcot-Ranipet causeway across the Pálár. It would appear that the Collector has another project under preparation.

ENCLOSURE.

From M.R.Ry. S. SWAMINATHA AIYAR, Avergal, B.A., Deputy Collector and Vice-President, District Board, North Arcot, to the Executive Engineer, Public Works Department, North Arcot Division, dated Chittoor, 29th September 1890, No. 297.

Under instructions from the Collector and President, District Board, North Arcot, I have the honor to request that you will be so good as to stay execution of the Pálár causeway work sanctioned in G.O., dated 22nd August 1890, No. 2275 W., until Mr. LeFanu's proposals, since made in consultation with Mr. Stoney, the Railway Engineer, to construct four river crossings in this district, including one between Ranipet and Arcot, are considered by the Chief Engineer, Madras Railway, before whom they are pending at present, and the District Board decide one way or the other about their feasibility. In the meantime I beg to return herewith the draft notification sent with your letter No 627 M., dated 25th September 1890, by you to me as Treasury Deputy Collector for publication in the District Gazette. The Collector has informed me that he has spoken to you on the matter in person and that he has your consent to have the notification returned to you.

ORDER—dated 13th December 1890, No. 3313 W., Public Works.

In Proceedings No. 802, Financial, dated 11th November 1890, the Accountant-General has been instructed to place a sum of Rs. 12,450 from Provincial funds at the disposal of the Public Works Department for expenditure during the current official year on the construction of a causeway across the Pálár river on the road from Ranipet to Arcot. Under para. 1385 of the Public Works Code grants-in-aid from one fund to works belonging to another fund are prohibited, and the grant should be made from one fund to another which is a transaction outside the scope of the Public Works Department. In accordance with this ruling the Local Fund Board should take credit for the contribution from Provincial funds and place the amount required for the work at the disposal of the Public Works Department from Local funds.

2. With reference to G.O., Mis. No. 2841 L., dated 5th November 1890, the Superintending Engineer, V Circle, will be instructed to defer action on the estimate sanctioned in G.O., No. 2275 W., dated 22nd August 1890, pending final orders on the alternative scheme prepared by Mr. Stoney.

3. The allotment of Rs. 12,450 sanctioned for the work cannot in the circumstances stated in para. 1 of these Proceedings be held in reserve by the Public Works Department as suggested in G.O., No. 836, Financial, dated 19th November 1890, and will therefore be replaced at the disposal of the Financial Department.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
,, Examiner, Public Works Accounts.
,, Local and Municipal Department.
,, Financial Department.

GENERAL
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3313 W.

DECEMBER.

Funds

The — allotted for the construction of the causeway across the Pálár river on the road from Ranipet to Arcot, replaced at the disposal of the Financial Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 30th September 1890, No. 2044.

I have the honor to state that in G.O., No. 886 W., dated 25th March 1889, the cost of the proposed residence for the Collector of Ganjam at Chatrapur including out-buildings was limited at Rs. 21,000. In G.O., No. 132, Revenue, dated 13th February 1890, communicated to this office with G.O., No. 702 W., dated 5th March 1890, Government was unable to modify its decision contained in the former Government Order.

2. The Superintending Engineer, I Circle, now submits an estimate for building the house on the plan first prepared for Rs. 21,000, which amount is made up of the following items :—

	RS.
Cost of new residence	19,300
Value of existing out-buildings	1,380
Repairs to do.	320
Total ...	21,000

3. A comparative statement of the original estimate, an estimate with certain suggestions made by the Collector, and the estimate prepared by the Executive Engineer is forwarded, from which it will be seen that the difference in cost between the original and the other estimates is mainly due to the substitution of salwood instead of teakwood for the roof supports, doors and windows, also to the adoption of rough stone for the walls.

	RS.
Cost of buildings and out-houses ...	21,000
Ten per cent. for establishment tools and plant	2,100
Total Capital cost ...	23,100
Four per cent. for interest	924
Three per cent. on Capital cost for repairs	693
Ten per cent. establishment charges tools and plant on do.	69
Rent per annum	1,686
Rent per mensem	141
Four per cent. for interest	924
Three per cent. for repairs on cost of buildings and out-houses	630
Ten per cent. for establishment, tools and plant	63
Rent per annum	1,617
Rent per mensem	135

4. I approve of the Executive Engineer's proposal to use rough-stone for the lower walls only. If salwood is to be used for the roof, &c., it must be well seasoned before being fixed in the building.

5. Under the new rules, *vide* Government of India Standing Order No. 144 of 9th November 1888 to volume 1 of Government of India Code, Public Works Department, the rent of the building will be Rs. 141, if the 3 per cent. for repairs is taken on the capital cost of the building, *i.e.*, cost of building and out-houses *plus* 10 per cent. on account of establishment, and Rs. 135 when the 3 per cent. is taken on the cost of the building and out-houses alone as shown in the margin. The latter appears to be the correct way to calculate as percentage, for repairs should not be charged on establishment on tools and plant.

From the same Officer, dated Chepâk, 26th November 1890, No. 2611.

I have the honor to return the plans and estimates for a residence for the Collector of Ganjam received with your memo. No. 4157 C., dated the 14th October 1890.

2. All unnecessary doors have been omitted as directed and a plan showing an end elevation, cross section and plan of roof is submitted. I also submit a revised estimate, amounting to Rs. 25,660, which provides for the doors, windows, beams, joists, trusses and main timbers of roof of Burma teakwood, the rafters only of salwood, to which there would appear to be no objection.

3. I have omitted from the estimate the cost, viz., Rs. 350, for demolishing the old building which I presumed should be met from the amounts realised by sale of old materials, the balance being credited to Revenue.

Note by the Chief Engineer, Public Works Department.

The undersigned does not consider it advisable to allow the Local Fund Engineer of Ganjam to supervise the construction of a residence for the Collector.

2. The plan and estimate submitted by the Superintending Engineer, I Circle, have been examined in this office and by the Consulting Architect, and the revised estimate of Rs. 25,660 which has been prepared by the latter officer is recommended for the sanction of Government. The saving in first cost by the use of salwood would not compensate for the risk of extensive repairs hereafter, if the sal should warp, as it certainly would, unless well seasoned scantlings were used, and these are not always available. In the estimate as now submitted teakwood is provided throughout the building except for the rafters. The rent will amount to about Rs. 160 or less than 8 per cent. of the pay of the Collector.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

9th December 1890.

ORDER—dated 13th December 1890, No. 3318 W., Public Works.

The estimate, amounting to Rs. 25,660, for constructing a residence for the Collector of Ganjam at Chatrapur, is sanctioned.

2. Attention is drawn to the note by the Chief Engineer, Public Works Department, above recorded, in the remarks contained in which the Governor in Council fully concurs.

3. This sanction has been registered as Provincial No. 83 W. of 1890-91, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle, with sixteen enclosures.
,, Consulting Architect to Government.
,, Examiner, Public Works Accounts.
,, Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3318 W.

DECEMBER.

Residence

Estimate of Rs. 25,660 for constructing a — for the Collector of Ganjam, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, Periyár Project, to the Chief Engineer, Public Works Department, dated Periyár, 11th October 1890, No. 1776 P.R.

I have the honor to forward herewith a letter from the Executive Engineer, No. I Periyár Division, asking for assistance in the Clerical and Accounts branch of his office.

2. In paras. 2 to 7 the Executive Engineer brings to notice the difficulties which attend the carrying out of the clerical work of his office. He shows that from the 1st July to 18th September 1890 there were nearly always two clerks absent from sickness, and that besides those others had to be absent for a day or two at a time; this proves that the two extra clerks sanctioned are only just sufficient to keep the office up to its average strength, and that extra assistance is required, and I therefore request that the accompanying proposition statement may be approved.

3. This statement shows an increase of cost of Rs. 156 per month; it allows for one experienced clerk on Rs. 60 to take the place of the head clerk or cashier when sick; it provides also for one extra storekeeper on Rs. 60 to have charge of both stores with the present storekeepers under him, this I think will be a better arrangement than at present; it also includes a better class of clerks for the sub-divisions, and I consider this is very advisable as a very large quantity of materials, stores, &c., have to be accounted for.

4. From paras. 9 to 12 the Executive Engineer brings to notice how he has been persistently asking for assistance in the Accounts branch of his office, and how his appeals have all been ignored. You are well aware of the fact represented by the Executive Engineer, and I need only add that since I have been in charge here the Examiner on the report of this office states that if the Executive Engineer wants assistance he should apply for it, and on his doing so replies that an accountant, 5th grade, having been attached to the office, he does not see what further can be wanted; but as pointed out by the Executive Engineer this accountant was only a temporary man sent to *learn* his works.

5. I do not think the Examiner has met the appeals of the Executive Engineer in the spirit he should have, and under the circumstances the Executive Engineer can hardly be blamed for the accounts being in arrears. I consider that if a really good and experienced accountant is not at once sent to this division not only will the arrears never be cleared off, but the current accounts are likely to get into a state of hopeless confusion.

6. I do not think the suggestion in para. 12 of the Executive Engineer's letter can be acted on.

7. In para. 6 the Executive Engineer suggests that the examination rules may be relaxed as regards the appointments of clerks. I think that this matter deserves some consideration as the circumstances of this work are special and the young passed men almost invariably get sick after a few months, while if older and more experienced (though unpassed) men could be appointed it would no doubt be a great advantage to the work; but there are other questions involved in relaxing this rule, and it must be left to Government to decide whether it is advisable or not.

Enclosure.

PERIYAR PROJECT.

Statement of Proposition for Temporary Establishment required for the Periyár Project during the year 1890-91.

Order sanctioning present establishment—Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of change.													Proposition.						Remarks by Local Government.
			Present scale.						Proposed scale.							Permanent.		Temporary.				
					Pay.						Pay.					Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.		Amount.	Amount.	Period.	Amount.	Period.	Amount.	
G.O., No. 2287 W.	23rd August 1890.	Superintending Engineer's Office.		Superintending Engineer's Office, Periyar Project.	RS.	RS.	RS.	RS.		Superintending Engineer's Office, Periyar Project.	RS.	RS.	RS.	RS.		RS.	RS.		RS.		RS.	
			..	Superintending Engineer's office.	..	..	..	442	..	Superintending Engineer's office.	..	..	..	442		..	..	..	..	..	..	
				Total ..	..	..	..	442		Total ..	..	..	..	442		..	..	..	..	..	..	
		Division.		No. I Periyar Division.						No. I Periyar Division.												
				Lower Subordinate Establishment.						*Lower Subordinate Establishment.*												
			2	Sub-Overseers	..	..	..	140	2	Sub-Overseers	..	..	..	140		..	..	..	..	..	..	
			2	Do.	..	..	..	90	2	Do.	..	..	..	90		..	..	..	..	..	..	
				Office Establishment.						*Office Establishment.*												
			1	Clerk, 3rd class, 2nd grade.	..	..	..	84	1	Clerk, 3rd class, 2nd grade.	..	..	..	84		..	..	..	..	..	..	
									1	Do. 3rd ,, 3rd ,,	..	..	..	60		..	..	..	60	..	..	
			2	Clerks, 4th class, 2nd grade.	..	..	..	84	2	Clerks, 4th class, 2nd grade.	..	..	..	90		..	..	..	6	..	..	
									3	Do. 4th ,, 2nd ,,	..	..	..	120		..	..	..	120	..	..	For 3 sub-divisions.
			10	Do. 4th class, 3rd grade.	..	..	..	300	(a) 7	Do. 4th ,, 3rd ,,	..	..	..	210		..	..	..	..	..	90	(a) 3 for division office. 1 for Tunneller. 2 for Supervisors. 1 for Workshop Superintendent. — 7 —
			1	Cashier	..	..	..	60	1	Cashier	..	..	..	60		..	..	..	..	..	..	
			3	Clerks, 4th class, 3rd grade.	..	..	..	90	(b) 3	Clerks, 4th class, 3rd grade.	..	..	..	90		..	..	..	..	..	..	(b) 3 for Overseers.
			1	Draftsman, 1st class ..	..	..	..	72	1	Draftsman, 1st class ..	..	..	..	72		..	..	..	..	..	..	

No. I Periyár	1	Do. 3rd ,, ..	..	..	..	30	1	Do. 3rd ,, ..	..	..	..	30	..	..	..	..	..	..	
	1	Surveyor	..	..	..	100	1	Surveyor	..	..	..	100	..	..	..	..	..	..	
	5	Messengers at Rs. 10 ..	..	..	..	60	(c) 5	Messengers at Rs. 10 ..	..	..	..	50	..	..	..	..	..	..	(c) 2 for division office. 3 for 3 sub-divisional offices. — 5 —
		Petty Establishment.						*Petty Establishment.*											
	2	Storekeepers at Rs. 48 ..	..	..	..	96	2	Storekeepers at Rs. 48 ..	..	..	..	96	..	..	..	..	..	..	
		....					1	Storekeeper	..	..	..	60	..	..	..	60	..	..	
	25	Lascars at Rs. 9 ..	..	..	..	225	(d) 25	Lascars at Rs. 9 ..	..	..	..	225	..	..	..	..	..	..	(d) 4 for division office. 9 for 3 sub-divisions. 2 for Mechanical Engineer. 4 for 2 Supervisors. 6 for 3 Overseers. — 25 —
	1	Watchman, divisional office.	..	..	..	9	1	Watchman, Divisional office.	..	..	..	9	..	..	..	..	..	..	
	4	Store Watchmen for stores at Thekady and Periyár at Rs. 9.	..	..	..	36	4	Store Watchmen for stores at Thekady and Periyár at Rs. 9.	..	..	..	36	..	..	..	..	..	..	
		Medical Establishment.						*Medical Establishment.*											
	1	Civil Apothecary ..	..	..	..	50	1	Civil Apothecary ..	..	..	..	50	..	..	..	..	..	..	
	1	Hospital Assistant, Thekady.	..	..	..	35	1	Hospital Assistant, Thekady.	..	..	..	35	..	..	..	..	..	..	
	2	Peons for Periyár Hospital.	..	..	..	18	2	Peons for Periyár Hospital.	..	..	..	18	..	..	..	..	..	..	
	1	Peon, Thekady Hospital ..	..	..	..	9	1	Peon, Thekady Hospital ..	..	..	..	9	..	..	..	..	..	..	
		Total ..	..	..	..	1,578		Total ..	..	..	..	1,734	..	..	..	246	..	90	
No. II Periyár Division.		No. II PERIYAR DIVISION.						No. II PERIYAR DIVISION.											
	..	No. II Periyár Division ..	..	..	..	955½	..	No. II Periyár Division ..	..	..	..	955½	..	..	..	..	..	..	
		Total ..	..	..	..	955½		Total ..	..	..	..	955½	..	..	..	..	..	..	
		Grand Total ..	..	..	..	2,975½		Grand Total ..	..	..	..	3,131½	..	..	..	246	..	90	

PERIYAR,
11th October 1890.

(Signed) D. McN. CAMPBELL, Major, R.E.,
Superintending Engineer, Periyár Project.

Office note from the Examiner, Public Works Accounts, dated Madras, 29th October 1890, No. 6406.

[Your office note No. 4188 C., dated 15th October 1890.]

Entries in column "Present scale" of the proposal statement have been checked and found correct.

2. *Para.* 7 *of Executive Engineer's letter.*—An additional accountant, 5th grade, has been posted to No. 1 Periyár division from 14th June 1890. This man should be a valuable assistant to the accountant as he was a sub-divisional clerk before he was appointed to the Accounts branch, has performed the duties of a divisional accountant independently, and has had some training in this office as well.

3. *Para.* 8.—Please see my office note, No. 5763, dated 26th September 1890, para. 2.

4. *Para.* 9.—No additional accountant was sanctioned by the Government of India for No. I Periyár division. The Government of India in their letter No. 5178 C., dated 8th November 1889, required the Examiner to provide an additional accountant from his existing staff, which has been done.

5. *Para.* 12.—There are two accountants (1 accountant, 4th grade, and 1 accountant, 5th grade) attached to the division, and it would be out of question to have a third accountant in the Central office to compile accounts—*vide* Code para. 1834. The work in the division is concentrated and therefore the accounts can be much more easily managed than those of the more scattered divisions. If, however, Government consider that the circumstances of the division are such that the Executive Engineer is really unable to compile the accounts with the assistance of the *two* trained accountants he has at present, endeavours will be made, if possible, to send a third accountant to remain until arrears are cleared off.

Office note from the Examiner, Public Works Accounts, dated Madras, 2nd December 1890, No. 7121.

The explanation is very simple. The accountant in question, V. K. Ratna Mudaliyar, had previously been for two-and-a-half months in independent charge of the accounts of a division, and this with the additional experience mentioned in para. 2 of Mr. Morrison's office note, No. 6406, should have made him a valuable *assistant.* At the same time he had not had anything like the two years' training in a divisional office that is to be required in the future; and he was not, as you seem to suppose, already a trained accountant. There was therefore no impropriety in sending him out as a young accountant for further training.

ORDER—dated 13th December 1890, No. 3320 W., Public Works.

The revised statement of temporary establishment required for the Periyár Project during 1890-91, is sanctioned.

2. The Government considers the Examiner's explanation of his action regarding the posting of accountants to No. I Periyár division to be unsatisfactory, and that he has failed adequately to appreciate the need for additional accountants in the No. I Periyár Division office.

3. He will now make such arrangements as will provide for the posting of two experienced and qualified accountants to the division in question, reporting his measures for the information of Government, and submitting, if necessary, for transmission to the Government of India a proposition statement for any extra establishment that may be desired.

4. The Government is not prepared to grant the general power of exemption from the examination rules asked for by the Executive Engineer. The Superintending Engineer already has the power of appointing unpassed men for three months,

and special cases calling for such appointments for longer periods will always receive consideration.

5. Consideration of the Executive Engineer's proposal that the ordinary accounts shall be compiled in the Examiner's office will be deferred until the effect of the instructions contained in para. 3 of this order is known.

6. The sanction accorded in para. 1 of these Proceedings has been registered as Provincial No. 74 W. of 1890-91, and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent of Works, No. I Periyár Division.
,, Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 13th.

Recd. *Encl.*

G.O., 13th Dec. 1890, No. 3320 W.

DECEMBER.

Temporary Establishment

Revised statement of — required for the Periyár Project in 1890-91, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From H. H. O'CONNELL, Esq., Executive Engineer, Nellore Division, to the Superintending Engineer, II Circle, dated Nellore, 8th November 1890, No. 270.

With reference to your endorsement, No. 442 N.L., dated 30th October 1890, on G.O., No. 2664 W., dated 10th October 1890, I have the honor to bring to your notice that, at present, no work is going on departmentally in this division, and request to know if it is intended that departmental agency should be specially introduced to admit of the forms being tried and reported upon.

2. For a full and satisfactory trial, I believe the Rushikulya or one of the two Periyár divisions will afford ample opportunities.

No. 472 N.L.

Submitted to the Chief Engineer, Public Works Department, for orders with reference to G.O., No. 2664 W., of the 10th October 1890.

BEZVADA,
14th November 1890.

(Signed) J. HANNAN,
Suptg. Engineer, II Circle.

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 1st December 1890, No. 1011 G.N.

With reference to your memorandum, No. 4766 C., dated the 20th November 1890, and G.O., No 2664 W., dated the 10th October 1890, therewith forwarded, I have the honor to inform you that the copies of the forms referred to have not been received, and I, therefore, request that they may be sent. A trial of the forms can be made in the Rushikulya division, but I will report further after receipt of the forms.

From H. S. TAYLOR, Esq., Superintendent of Works, No. I Periyár division, to the Chief Engineer, Public Works Department, dated Periyár, 2nd December 1890, No. 351 S.E.

With reference to your memorandum, No. 4766 C., dated 20th November 1890, to the address of the Superintending Engineer, Periyár Project, I have the honor to report that a trial of the revised form of muster roll and daily report referred to in G.O., No. 2664 W., dated 10th October last, can be made in this division.

Order—dated 16th December 1890, No. 3341 W., Public Works.

As it now appears that no work is being executed departmentally in the Nellore division, the Government directs, in modification of G.O., No. 2664 W., dated 10th October 1890, that the forms referred to in Government of India letter, No. 204-A.G., dated 5th December 1889, shall be tried in the Rushikulya and No. I Periyár divisions.

2. Copies of working forms will be supplied to the Executive Engineers concerned by the Examiner, Public Works Accounts, who will be requested to assist those officers in giving the forms a fair trial.

3. The instructions in para. 3 of G.O., No. 2664 W., dated 10th October 1890, will be carried out by the Superintending Engineer, I Circle, and the Superintendent of Works, No. I Periyár division, who will be furnished with spare copies of the Government Order and of paras. 106—129 of the report of the Public Works Accounts committee.

4. A copy of these Proceedings will be forwarded to the Government of India in continuation of endorsement, No. 2665 W., dated 10th October 1890.

(Here enter No. 3342 W., dated 16th December 1890.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle, with three spare copies of G.O., No 2664 W., and copy of paras. 106—129 of the committee's report.
„ Superintendent of Works, No. I Periyár division, with do. do.
„ Superintending Engineer, II Circle.
„ Examiner, Public Works Accounts.

Endorsement—dated 16th December 1890, No. 3342 W., Public Works.

Forwarded.

(By Oeder.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of (1890) Madras.

PUBLIC WORKS.

Dated December, 16th.

Recd. *Encl.*

G.O., 16th Dec. 1890, Nos. 3341, 3342 W.

DECEMBER.

Revised form of Muster Roll and Daily Report

Forwarding copy of Proceedings directing the Superintending Engineer, I Circle, and the Superintendent of Works, No. I Periyár division, to make a trial of the — in the Rushikulya and No. I Periyár divisions.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepâk, 14th November 1890, No. 3768.

With reference to para. 2 of G.O., No. 2416 W., of 8th September 1890, I have the honor to forward a special indent on the Director-General of Stores in England for tramway materials required by the Consulting Architect to Government.

Enclosure.

Report to accompany the indent for portable railway and wagons for the Government Brickfields, Madras.

The articles required in the indent are absolutely required and cannot be procured of local manufacture or from surplus stores of other departments. G.O., No. 2416 W., dated 8th September 1890, sanctioned the submission of the indent.

(Signed) H. IRWIN,
Consulting Architect to Government.

Office-note from the Examiner, Public Works Accounts, dated Madras, 5th December 1890, No. 7214/153.

The accompanying letter from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, No. 3768, dated 14th November 1890, with an indent (No. 12 of 3rd November 1890) for English stores, for transmission to the Secretary of State, is forwarded for necessary action.

2. I certify that funds to meet the estimated outlay in England in connection with this indent during the year 1890-91 will be provided by the Local Government to the extent of £454·5-1 in the estimate of the Public Works Department for that year.

Order—dated 16th December 1890, No. 3347 W., Public Works.

Ordered to be forwarded to the Home Government for compliance.

(Here enter No. 3348 W., dated 16th December 1890.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Consulting Architect to Government.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 16th.

Recd. *Encl.*

G.O., 16th Dec. 1890, No. 3347 W.

DECEMBER.

Portable Railway

Ordered that the indent for — and wagons required for use at the Government Brickfields, Madras, be forwarded to the Home Government for compliance.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from

Colonel J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The DIRECTOR-GENERAL of STORES,
India Office,
London.

Sir,

I am directed to forward, for favor of compliance, an indent, in duplicate, for portable railway and wagons required for use at the Government Brickfields, Madras.

2. The necessary certificate by the Examiner, Public Works Accounts, is embodied in the Proceedings * of this Government forwarded herewith.

* No. 3347 W., dated 16th December 1890.

(Here enter No. 3349 W., dated 16th December 1890.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

Fort St. George,
16th December 1890.

Endorsement—dated 16th December 1890, No. 3349 W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India.

(By Order.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 16*th*.

Recd. *Encl.*

16th Dec. 1890, Nos. 3348, 3349 W.

DECEMBER.

Portable Railway

Forwarding copy of indent on the Home Government for — and wagons required for the Government Brickfields, Madras.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 13th November 1890, No. 907, Revenue.

Read—again the following G.O., dated 24th March 1890, Mis. No. 2011, Revenue :—

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 18th March 1890, Mis. No. 1831 :—

Read—the following letter from G. MACWATTERS, Esq., Superintendent of Stamps, to the Secretary to the Commissioners of Land Revenue, dated Madras, 12th March 1890, No. 2409 :—

I have the honor to forward herewith, duly countersigned, the plan and estimate, amounting to Rs. 34,011, for additional accommodation to the Stamp and Stationery office buildings, prepared in accordance with G.O., dated 9th July 1888, No. 4004, Revenue Department, by the Public Works Department, together with letter No. 2094, dated 11th March 1890, from the Consulting Engineer to Government, and to request that very early sanction of Government for the same may be obtained, so that the work may be put in hand at once.

2. The extra sentry asked for and referred to in Board's Proceedings, dated 5th March 1890, Mis. No. 1520, will be required for a period of about twelve months from the date the work is taken on hand, and the cost can be met from the savings in the budget allotment—Stationery office—for the years concerned.

Resolution—dated 18th March 1890, Mis. No. 1831.

The plan and estimate for Rs. 34,011 for providing additional accommodation in the Stamp and Stationery office buildings are submitted for the early sanction of Government and the provision of funds in the Public Works budget, with reference to G.Os., dated 9th July 1888, No. 4004, and 18th October 1889, No. 851. In view of the urgency of the work, it is requested that special instructions may be issued for its being taken up at once and finished within a reasonable time.

2. With reference to para. 2 of G.O., dated 25th February 1890, No. 1351, the Superintendent reports that the extra establishment therein referred to is required for twelve months, and that its cost can be met from savings in the stationery budget.

(A true Copy and Extract.)

(Signed) M. HAMMICK,
Secretary.

Order—dated 24th March 1890, Mis. No. 2011, Revenue.

Final orders on the design of the new store-rooms will be deferred pending reply to the reference made to the Government of India in letter, dated 24th March 1890, No. 219.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

Order—dated 13th November 1890, No. 907, Revenue.

Miscellaneous.

The plan and estimate, submitted by the Board of Revenue with its Proceedings recorded in the Government order read above, are approved and transferred to the Public Works Department for early execution.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 17th December 1890, No. 3366 W., Public Works.

The estimate, amounting to Rs. 34,011, for providing additional accommodation to the Stamp and Stationery office, Madras, is sanctioned for very early execution.

2. A sum of Rs. 25,000 will be provided for the work in the ensuing year's Provincial budget. The Consulting Architect will report what amount can be spent on the work during the current official year.

3. This sanction has been registered as Provincial No. 85 W. of 1890-91, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government, with four enclosures.
,, Examiner, Public Works Accounts.
,, Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 17th.

Recd. *Encl.*

G.O., 17th Dec. 1890, No. 3366 W.

DECEMBER.

**Stamp and Stationery Office,
Madras**

Estimate amounting to Rs. 34,011 for providing additional accommodation to the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 3rd November 1890, No. 868, Revenue.

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 29th September 1890, No. 6229, Mis. :—

MR. H. W. BLISS.
MR. W. S. WHITESIDE.

Read—the following letter from Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Collector of North Arcot, dated Chepâk, 2nd August 1890, No. 2107 :—

With reference to the Proceedings of the Board of Revenue, No. 2056, Mis., dated 27th March 1890, forwarded with your endorsement, dated 13th April last, I have the honor to forward, for submission to the Board, a fresh plan and estimate, amounting to Rs. 4,820, for building a new record-room to the Vellore Taluk cutcherry in place of the one now existing.

ENCLOSURES 10.

- * 3 Tracings.
- 2 Estimates.
- 2 Reports.
- 1 Specification.
- 1 Minute by the Member of Board.
- 1 Copy of Collector's letter.

* Only two received.

Provision for the required number of narrow windows in the upper story is made in the estimate as desired by the Board of Revenue. The plan and estimate for alteration to the existing Taluk cutcherry are also retransmitted.

Endorsement by W. J. H. LE FANU, Esq., Collector of North Arcot, dated Chittoor, 14th August 1890, Ref. on Gl. Eng. No. 4516.

Submitted for sanction to the Secretary to the Commissioners of Land Revenue with reference to Board's Proceedings, Nos. 1578 and 2056, dated 8th and 27th March 1890, respectively.

Reference thereon, dated 28th August 1890.

With its Proceedings, dated 27th March 1890, No. 2056, Mis., the Board returned to the Collector nine papers which formed enclosures to his letter, dated 13th February 1890, No. 7586. Of these, five have been retransmitted. The Collector is requested to forward the remaining four, one of which apparently was the plan of the present Taluk office at Vellore.

Read—the following letter from J. N. ATKINSON, Esq., Acting Collector of North Arcot, to the Secretary to the Commissioners of Land Revenue, dated Chittoor, 17th September 1890, Ref. on Board No. 1920 :—

Referring to Board's Reference on General Register No. 2682, dated 28th August last, I have the honor to forward, herewith, the two tracings * noted in the margin. These were not sent already with this office Ref. on Gl. Eng. No. 4516, dated 14th August 1890, as they were superseded by the tracings therewith submitted. Of the nine enclosures referred to in Board's Proceedings, No. 2056, Mis., dated 27th March 1890, there is, besides the two tracings now sent, no other paper in this office, and it appears that eight papers received from the Superintending Engineer were submitted to the Board with this office reference quoted above.

* I { 1. Tahsildar's Cutcherry, Vellore Fort, proposed alterations (sheet No. 1).
2. Tahsildar's Cutcherry, Vellore Fort, proposed alterations (sheet No. 2). }
II 1. Tahsildar's Cutcherry, Vellore Fort, proposed alterations on tracing cloth.

Resolution—dated 29th September 1890, No. 6229, Mis.

The plans and estimates for constructing a new record-room to the Taluk office at Vellore and for carrying out certain alterations thereto, at an aggregate cost of Rs. 7,495, are submitted for the sanction of Government with reference to G.O., dated 15th December 1888, No. 7506.

(A true Copy and Extract.)

(Signed) H. A. SIM,
Acting Secretary.

Order—dated 3rd November 1890, No. 868, Revenue.

Miscellaneous.

The estimates and plans for improving the Taluk cutcherry at Vellore and constructing a new record-room thereto are approved and transferred to the Public Works Department.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 17th December 1890, No. 3367 W., Public Works.

The estimates aggregating Rs. 7,495 for constructing a new record-room to the Taluk office at Vellore, and for carrying out certain alterations thereto, are sanctioned.

2. This sanction has been registered as Provincial No. 86 W. of 1890-91, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with twelve enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 17th.

Recd. *Encl.*

G.O., 17th Dec. 1890, No. 3367 W.

DECEMBER.

Taluk Office at Vellore

Estimate of Rs. 7,495 for constructing a new record-room to the — and for carrying out certain alterations thereto, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 13th December 1890, No. 4253.

With reference to Code para. 1721 B., I have the honor to forward one hundred copies of the printed list of surplus stores of the Madras Public Works Department available for transfer to other Local Governments and Administration.

ORDER—dated 19th December 1890, No. 3379 W., Public Works.

The lists will be circulated to Superintending Engineers, to the Consulting Engineer for Railways and to other Governments and Administrations.

(Here enter No. 3380 W., dated 19th December 1890.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer, Madras Command, Military Works,
„ Consulting Engineer for Railways,
To Superintending Engineers,
To the Consulting Architect to Government,
„ Superintendent of Works, Periyár Project,
„ Superintendent of Stationery,
} with copies of the lists.

GENERAL.
ACCOUNT.

Govt. of (1890) Madras.

PUBLIC WORKS.

Dated December, 19th.

Recd. *Encl.*

G.O., 19th Dec. 1890, No. 3379 W.

DECEMBER.

Surplus Stores

Ordered that the list of — of the Madras Public Works Department be circulated to Superintending Engineers, Consulting Engineer for Railways and to other Governments and Administrations.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

COLONEL J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The Secretaries to the Governments of Bombay, Bengal, the North-Western Provinces and Oudh and the Punjab, Public Works Department.
The Chief Commissioners, Central Provinces, Burma, Assam and Coorg.
The Residents at Hyderabad and Mysore.
The Agents to the Governor-General for Central India, Rajputana and Beluchistan.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director-General of Telegraphs.
The Director-General of Military Works.
The Director-General of Railways.
The Officer in Charge, Mathematical Instrument Office, Calcutta.

SIR,

With reference to the Government of India Resolution No. XI, Public Works, dated 20th December 1887, I am directed to forward a printed list of Public Works stores available for transfer in this Presidency.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
19th December 1890.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 19th.

Recd. *Encl.*

19th Dec. 1890, No. 3380 W.

DECEMBER.

Surplus Stores

Forwarding list of — of the Madras Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

G.O., dated 16th December 1890, No. 969, Financial.

Read—the following Resolution of the Government of India in the Finance and Commerce Department (Pensions), dated Calcutta, 25th November 1890, No. 5412:—

Read—Resolution in this Department, No. 4839, dated the 3rd September 1888.

Observations—The Resolution cited above directs that all communications relating to pay, allowances, leave and other service rules and privileges in any department other than those * administered by this department, should be addressed to the Secretariat of the Government of India in which administrative questions relating to the department concerned are dealt with.

* Excise.	Mint.
Customs.	Account Department.
Assessed Taxes.	Merchant Shipping.
Salt.	Ports and Port Dues.
Opium.	Light-houses and Light Dues.
Stamps.	Pilot Services.
Post Office.	

Resolution—In partial modification of previous orders, the Government of India directs that communications regarding the interpretation of the rules in the Civil Service Regulations should be addressed to this department. Applications for the alteration or relaxation of the rules, or for special concessions in cases not exactly covered by the rules, will continue to be addressed to the Secretariat of the Government of India in which administrative questions relating to the department affected are dealt with.

Order—Ordered, that this Resolution be communicated to the several departments of the Government of India, to all Local Governments and Administrations, and all Heads of Departments, with the request that these instructions may be strictly adhered to in future, in order to avoid delay in the disposal of references.

(Signed) R. A. GAMBLE,
Offg. Under-Secy. to the Govt. of India.

Order—dated 16th December 1890, No. 969, Financial.

Communicated to all departments of the Secretariats.

2. Cases appertaining to the former of the two classes mentioned in the Resolution will as hitherto be dealt with in the local department of finance; all others should be submitted to the administrative department of the Government of India by the local administrative department concerned.

(True Extract.)

(Signed) N. S. BRODIE,
Ag. Asst. Secretary.

ORDER—dated 19th December 1890, No. 3388 W., Public Works.

Recorded.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 19th.

Recd *Encl.*

G.O., 19th Dec. 1890, No. 3388 W.

DECEMBER.

Financial Rules

Proceedings, Financial Department, communicating, with remarks, to all Departments of the Secretariat resolution of the Government of India pointing out the departments to which questions or communications regarding the interpretation, alteration and relaxation of — should be addressed, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Civil Works.
Account.

READ—the following paper :—

Office note from the Examiner, Public Works Accounts, dated Madras, 5th December 1890, No. 7206.

In para. 9 of G.O., No. 2417 W. of 8th September 1890, a revision of rents of buildings in accordance with Standing Order No. 235, dated 14th June 1890, to Government of India Public Works Code was ordered. The Government of India rule has since been embodied in the Madras Public Works Code as Standing Order No. 1320 of 18th August 1890, and the principal changes introduced by it in the data for calculation of the rents of public buildings are as follows :—

(1) The cost of site has to be taken into the calculation in *every case* whether the site was paid for or not; if the site was not paid for but already belonged to Government the value has to be *fixed by Government.*

(2) The actual cost of establishment and tools and plant employed on the work may, with the sanction of Government, be added in the case of new buildings (*i.e.*, buildings completed subsequent to 7th September 1888); but if the actual cost cannot be ascertained (and it cannot be, in the case of buildings in this Presidency), 10 per cent. on the construction cost is to be taken instead of 20 per cent. according to the old rule.

(3) In the case of houses that were in existence prior to 7th September 1888, no addition need be made for establishment and tools and plant provided the result is not a reduction of the previous rate of rent. (It follows that, if omitting establishment and tools and plant charges, the rent arrived at is less than that paid prior to 7th September 1888, the old rate should be charged.)

2. As far as I am aware no action has been taken on this matter by Superintending Engineers, and as it is necessary that something should be done, I propose, subject to the approval of Government, to prepare for each division statements in the accompanying form, as far as information is available in my office, and then to send the statements to Executive Engineers for completion of data and for return to me for calculation and entry of rents chargeable according to the rules laid down.

3. When the statements have been completed as far as possible in my office I would send them to you for the decision of Government as to the valuation of sites in those cases in which the actual cost is not known, sending them either direct or through Superintending Engineers concerned, as Government may desire.

4. Most of the information required is already available in my office, having been collected in connection with the calculation of rents under the rules previously in force.

5. I shall be glad if you will obtain orders of Government either approving the adoption of the courses proposed by me, or directing such other action as may be considered suitable with a view to the early revision of rents in accordance with the latest orders of the Government of India.

ENCLOSURE.

STATEMENT giving data for calculation of rents of buildings in ______________ Division.

Item number.	Name of building.	Official designation and salary of occupant.	Whether permanent or temporary (P. or T.).	Date of completion or purchase (A.).	CAPITAL COST.				Four per cent. on capital cost (8).	ACTUAL AVERAGE COST OF REPAIRS—*vide* G.O., No. 1367 W., DATED 22ND MAY 1889.			Estimate cost of repairs when actual average is not taken.	NORMAL RATE OF RENT ON BASIS OF FOREGOING DATA.		Rent paid prior to 7th September 1888.	RENT TO BE CHARGED.		REMARKS.
					Cost of construction or purchase.	Establishment and T. and P. at 10 per cent. on account in (5).	Cost of site.	Total.		Cost of repairs.	Ten per cent. to Establishment and T. and P.	Total.		Annual 9 + 12 or 9 + 13.	Monthly $\frac{14}{12}$		Yearly.	Monthly.	
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

(A) If exact date of completion or purchase is not known it should simply be stated whether before or after 7th September 1888.

Order—dated 19th December 1890, No. 3389 W., Public Works.

The proposals in paras. 2 and 3 of the Examiner's office note above recorded are approved with the following modifications :—

(1) Statements will be prepared in the Examiner's office for each division as proposed and forwarded to Executive Engineers for completion, but the calculation and entry of rents should be made in the Executive Engineer's office.

(2) The statements, after completion, should be forwarded by Executive Engineers to the Superintending Engineers concerned for approval, more particularly with respect to the value fixed for the site in each case. Superintending Engineers will forward the statements to Government for final approval.

2. The special attention of Superintending Engineers is drawn to the suggestions in clauses (1), (2) and (3), para. 1 of the Examiner's office note, and to Standing Order No. 1320 of 1890, which, for facility of reference, is reproduced in the margin. In the case of buildings purchased by Government, the cost of the site will be included in the purchase money and no separate value need be assigned.

Standing Order No. 1320, dated 18th August 1890.

Para. 1041, *Public Works Code. For rule I* (1) *and notes* 1 *and* 2, *substitute the following* :—

I. (1) The rent should be a sum which will cover—

(*a*) Interest at 4 per cent. on the actual capital cost of the house and its site.

(*b*) The estimated average annual cost of repairs.

Note (1)—The capital cost of the house should be taken as the cost of the building and its site, together with a sum to cover the share of establishment and tools and plant. The cost of the site will be the price paid for it by Government, but if the site belongs to Government, its value for the purpose of calculating the rent will be fixed by the Government with relation generally to the average value of similar land in the vicinity, unless, in exceptional cases, such value should be prohibitive. The amount to be added for the charges on account of establishment and tools and plant may, in the case of new buildings, be limited by the Government to the actual cost of the establishment and tools and plant employed thereon as nearly as it can be ascertained. If the actual cost cannot be ascertained, 10 per cent. on the working outlay may be taken as the charge to be included on account of these items.

Note (2)—In the case of houses that were in existence on the 7th September 1888 no addition to the capital cost for establishment and tools and plant need be made, provided that the result is not a reduction of the rent previously paid for the occupation of the building.

Note (3)—In the case of houses purchased by Government, no addition to the purchase price of the building should be made for establishment and tools and plant. When there is no record of the actual price paid for any building, its present value should be estimated by the Executive Engineer of the division and approved by the Superintending Engineer, and this estimate should be taken as the capital cost.

3. The undermentioned Proceedings are hereby cancelled :—

No. 3741 W., dated 27th November 1888.
No. 248 W., dated 30th January 1889.

4. The earliest possible notice should be given by Executive Engineers to officers occupying Government residences when any alteration in the rate of rent is involved by the operation of the new rules.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Chief Engineer for Irrigation.
" Superintendent of Works, Periyár Project.
" Examiner, Public Works Accounts.
" Revenue Department.
" Public, &c., Departments.

CIVIL WORKS.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 19th.

Recd. *Encl.*

G.O., 19th Dec. 1890, No. 3389 W.

DECEMBER.

Rents of Buildings

Passing orders on office note from the Examiner proposing the preparation of statements, for each division, giving data for calculation of —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From the Superintending Engineer, I Circle, dated 26th September 1890, No. 488 G.L.
„ „ II „ two statements.
„ „ III „ Do.
„ „ IV „ dated 29th September 1890, No. 318 E.W.
„ „ V „ „ 20th October 1890, No. 3375.
„ „ VI „ „ 6th Oct. 1890, Nos. 1340 and 41 T.J.
„ Consulting Architect to Government, „ 20th Oct. 1890, No. 2255.

G.O., dated 4th December 1890, No. 906, Financial.

Read—the following papers :—

Memorandum from the Public Works Department, dated 19th November 1890, No. 4750 C., forwarding two lists of works proposed by Superintending Engineers for execution during 1891-92 and requesting that the necessary grants may be placed at the disposal of the Public Works Department.

Letter from the Presidency Port Officer, Madras, dated 27th November 1890, No. 900/573 G.

In reply to Marine Department reference, dated 24th November 1890, on current No. 1068 (herewith returned), I have the honor to acquaint you, for the information of Government, that as regards the port of Adirámpatnam it is not intended to proceed with the works referred to, as no funds are available (*vide* G.O., Marine, No. 22, dated 27th January 1890). The estimate furnished by the Superintending Engineer is therefore held over.

2. In respect to the grants asked for in connection with certain works at Cochin, Cocanada and Negapatam, the sums required may be placed at the disposal of the Public Works Department, but if they are intended to meet the cost of *new* or *additional* works, the estimates for which have not passed through this office, I beg I may be favored with the usual estimates in due course.

Order—dated 4th December 1890, No. 906, Financial.

Communicated to the Public Works Department.

2. The one major work in the list enclosed with memorandum No. 4750 C., dated 19th November, will not be executed in 1891-92.

3. Subject to the approval of the estimates for new minor works by the Presidency Port Officer, there is no objection to the inclusion of the items in the second list in the Public Works budget.

4. The Accountant-General will place the sum of Rs. (4,550) four thousand five hundred and fifty at the disposal of the Public Works Department from Port funds after 31st March 1891.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

To the Public Works Department.
,, Accountant-General.

READ—again the following paper :—

Proceedings of Government, Financial Department, No. 873, dated 27th November 1890.

ORDER—dated 20th December 1890, No. 3398 W., Public Works.

The only works under Canal and Ferry funds proposed for execution by the Public Works Department during 1891-92 and brought forward by the Superintending Engineer, V Circle, in his budget estimate for that year, are—

	RS.
1. Maintenance of the Kovur-Munjair Junction canal	1,800
2. Clearing silt in the old loading channel at Dowlaishweram ...	100
3. Repair of ferry boats on the Kovur-Munjair Junction canal ...	250

but as it has been decided in G.O., No. 949, Revenue, dated 22nd November 1890, that the following additional works should also be carried out by the Public Works Department during the ensuing official year, and as a sum of Rs. 55,065 has been provided for expenditure by this department, the budget estimate under Canal and Ferry funds has been prepared for that amount—

	RS.
1. Construction of bridges across irrigation channels and drains ...	10,000
2. Purchase of a steam launch for the Rajahmundry ferry	20,000
3. Do. do. Narsápur ferry	20,000

2. With reference to para. 2 of its Proceedings, No. 873, dated 27th November 1890, the Financial Department will be requested to instruct the Accountant-General to place a sum of Rs. 55,065 under Canal and Ferry funds at the disposal of the Public Works Department.

3. A list of works under Act V of 1884 proposed by Superintending Engineers for execution during 1891-92 was forwarded to the Local and Municipal Department, but as the approval of that department has not yet been communicated, and as the budget estimate should reach the Government of India by the 15th February, the grants as proposed by Superintending Engineers have been adopted in the budget, subject to modification, if necessary, in the final issue.

4. All the works under Excluded Local Port funds, proposed by Superintending Engineers for execution during 1891-92, have been included in the budget estimate under that head with the exception of the causeway and pier at Adirámpatnam, the construction of which has been ordered to be deferred till funds are available.

5. In Proceedings No. 906, dated 4th December 1890, the Financial Department assigned a grant of Rs. 4,550 for the execution of works estimated to cost Rs. 3,670 or Rs. 4,570 inclusive of percentage charges for establishment and tools and plant. The budget estimate under Excluded Local funds has therefore been prepared for Rs. 4,570, and the Financial Department will be requested to provide the balance, Rs. 20.

6. The Educational Department was requested to instruct the Registrar of the University of Madras to place a sum of Rs. 1,350 * at the disposal of this department for repairs to the Senate House, Madras. No reply has yet been received, and the grant, if provided, will be included in the final issue of the budget.

* Exclusive of percentage charges.

7. The Superintending Engineer, I Circle, will expedite the submission of plans and estimates for the following items for which funds have been provided in the Incorporated Local Fund budget:—

1. Construction of bridges across irrigation channels and drains in the Godávari district.
2. Purchase of a steam launch for the Rajahmundry ferry.

8. The Superintending Engineer, IV Circle, will submit, for the approval of the Presidency Port Officer, plans and estimates for protecting the foreshore at Cochin.

9. The difference between the budget and the revised estimates of charges for 1890-91 under Incorporated and Excluded Local is due to the grant for the Mattalapolem bridge having been placed at the disposal of the Godávari District Board, and to additional allotments sanctioned during the year for incomplete and new works which were found necessary.

10. With these remarks the preliminary issue of the Incorporated and Excluded Local Fund budget estimates for works to be carried out by the Public Works Department during 1891-92 will be printed and circulated to the officers concerned for information and guidance, and four copies will be forwarded to the Government of India.

(Here enter No. 3399 W., dated 20th December 1890.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.
,, Accountant-General.
,, Financial Department.
,, Revenue Department.
,, Local and Municipal Department.
,, Marine Department.

ENDORSEMENT—dated 20th December 1890, No. 3399 W., Public Works.

Forwarded.

(By Order.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 20th.

Recd. *Encl.*

G.O., 20th Dec. 1890, Nos. 3398, 3399 W.

DECEMBER.

Budget Estimates

Forwarding the preliminary issue of the Incorporated and Excluded Local Fund — for works to be carried out by the Public Works Department during 1891-92.

PRELIMINARY ISSUE.

INCORPORATED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

MADRAS.

PUBLIC WORKS DEPARTMENT.

INCORPORATED LOCAL FUNDS BUDGET ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS,

FOR THE YEAR

1891-92.

MADRAS,
20th December 1890.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

INCORPORATED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

MADRAS.

GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF INCORPORATED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1891-92.

Budget Estimate of the Revenue that will be realised by, and on account of Incorporated Local Funds of, the Public Works Department for the year from 1st *April* 1891 *to March* 1892.

—	ACTUALS, 1889-90.	BUDGET ESTIMATE, 1890-91.	REVISED ESTIMATE, 1890-91.	BUDGET ESTIMATE, 1891-92.
	Rs.	Rs.	Rs.	Rs.
Realised in the Public Works Department.	8,917	8,000	2,500	2,500
Total ...	8,917	8,000	2,500	2,500

INCORPORATED LOCAL FUNDS. **MADRAS.**
PUBLIC WORKS BUDGET ESTIMATE.

GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXPENDITURE FROM INCORPORATED LOCAL FUNDS ON PUBLIC WORKS IN THE MADRAS PRESIDENCY FOR THE YEAR 1891-92.

Abstract of the Estimated Charges from Incorporated Local Funds on Public Works in the Madras Presidency from 1st April 1891 *to March* 1892.

—	ACTUALS, 1889-90.	BUDGET ESTIMATE, 1890-91.	BUDGET ESTIMATE, 1891-92.
	Rs.	Rs.	Rs.
ORIGINAL WORKS.			
Civil Buildings	...	...	...
Communications	52,823	42,112	16,280
Miscellaneous Public Improvements	1,825	...	...
Total ...	54,648	42,112	16,280
REPAIRS.			
Civil Buildings	...	...	...
Communications	24,330	21,695	20,585
Miscellaneous Public Improvements	...	...	...
Total ...	24,330	21,695	20,585
TOTAL, WORKS AND REPAIRS			
Civil Buildings	...	...	...
Communications	77,153	63,807	36,865
Miscellaneous Public Improvements	1,825	...	...
Total ...	78,978	63,807	36,865
Establishment	6,051	23,225	11,207
Tools and Plant	2,105	25,968	40,613
Grand Total ...	87,134	1,13,000	88,685

GOVERNMENT OF MADRAS.

ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

—	Funds to which Grants for 1891-92 are chargeable.					Revised Estimate, 1890-91.
	Local Funds under Act V of 1884.	Police Lodging Fund.	Canal and Ferry Fund.	Jungle Conservancy Fund.	Total, 1891-92.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
ORIGINAL WORKS.						
Civil Buildings	...	...	...	...	...	...
Communications	6,280	...	10,000	...	16,280	15,313
Miscellaneous Public Improvements ...	...	...	...	...	...	...
Total ...	6,280	...	10,000	...	16,280	15,313
REPAIRS.						
Civil Buildings	...	...	...	...	...	...
Communications	18,685	...	1,900	...	20,585	23,075
Miscellaneous Public Improvements ...	...	...	...	...	...	...
Total ...	18,685	...	1,900	...	20,585	23,075
Total, Works and Repairs ...	24,965	...	11,900	...	36,865	38,388
Establishment	8,470	...	2,737	...	11,207	15,393
Tools and Plant	185	...	40,428	...	40,613	25,458
Grand Total ...	33,620	...	55,065	...	88,685	79,239

INCORPORATED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

GOVERNMENT

LIST OF ORIGINAL WORKS PROPOSED TO BE CARRIED OUT

Funds.	Executive Division.	Locality.	Item No.	Name of Work.	Amount of Estimate.
					Rs.
				Communications.	
				Original Works.	
Canal and Ferry Fund.	Godávari District.	...	1	Construction of bridges across Irrigation channels and drains.	...
Local Funds under Act V of 1884.	Godávari, Eastern.	...	2	Widening and gravelling the Godávari left embankment in the first 4 miles below the anicut for adoption as a road.	8,480
Do. ...	Kistna, Eastern.	Bezváda ...	3	Construction of a road over the Kistna anicut.	...
				Total, Communications, Original Works.	

OF MADRAS.

BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	10,000	...	1	Estimates are awaited.
			10,000		
...	...	5,000	...	2	G.O., No. 3308 W., dated 13th December 1890.
...	...	1,280	...	3	
			6,280		
...	...	...	16,280		

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92.

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	
			Canal and Ferry Fund.			
			Communications.			
			Repairs.			
Godávari, Eastern.	......	1	Maintenance of the Kovur-Munjair junction canal.	1,800		
Do. ...	Dowlaishweram	2	Clearing silt in the old loading channel.	100	1,900	
			Local Funds under Act V of 1884.			
			Communications.			
			Repairs.			
Rushikulya ...	......	3	Maintenance of 4 miles of Aska-Suradá road.	400		
Gadávari, Eastern.	......	4	One-sixth of the cost of the maintenance of the Kovur-Munjair junction canal.	600		
Kistna, Western.	Nizampatam.	5	Maintenance of canal left bank between Nandivelugu and Kuchipudi.	350		
Do. ...	Kistna right bank.	6	Maintenance of Kistna right bank between Epur and Mortota.	975		
Nellore ...	Nellore ...	7	Gravelling the Pennér anicut roadway.	600		
South Arcot ...	Chidambaram taluk.	8	Repairing a portion of road from Shatiatope to Omampulayoor passing over the Veeranam tank, 9 miles, at Rs. 100 per mile.	900		
Do. ...	Do. ...	9	Repairing road on the Coleroon bank, 20 miles, at Rs. 50 per mile.	1,000		
Do. ...	Do. ...	10	Repairing road on Vadavar bank.	1,000		
Do. ...	Do. ...	11	Repairing road on the right bank of Khan Sahib's canal.	450		
Do. ...	Do. ...	12	Maintenance of Goverapet road.	90		
Trichinopoly ...	Trichinopoly and Udayárpálaiyam.	13	Road No. 20 from Sirudayur *viâ* Sankarayur to lower anicut, 20 miles, at Rs. 50 per mile.	1,000		
Tanjore ...	Tanjore ...	14	Road along the right bank of the Vennár from road No. 39 eastwards, 3 miles, at Rs. 50 per mile.	150		
Do. ...	Do. ...	15	Road No. 90 along the north bank of the Vennár, west of road No. 4 to Udaramangalam village, 3½ miles, at Rs. 60 per mile.	210		
Do. ...	Do. ...	16	Road from road No. 39 to Haridwaramangalam, 6 miles, at Rs. 50 per mile.	300		
			Carried over ...	8,025	1,900	

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92—*cont.*

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
			Brought forward ...	Rs. 8,025	Rs. 1,900	
			Local Funds under Act V of 1884—*cont.*			
			Communications—cont.			
			Repairs—*cont.*			
Tanjore ...	Tanjore ...	17	Road No. 6 from Railway to road No. 39 along the right bank of Vettar, 2½ miles, at Rs. 90 per mile.	225		
Do. ...	Do. ...	18	Road from Thirukutoopally to Palamaneri along the Cauvery right bank.	40		
Do. ...	Do. ...	19	Road from Cauvery-Vennár Regulator to Pallay voikal, sluice No. 2, 1⅓ miles, at Rs. 35 per mile.	50		
Do. ...	Kumbakónam.	20	Maintenance of 2 miles of road along the left bank of the Kodamurti river.	50		
Do. ...	Do. ...	21	Road No. 12 from Auduthorai to Tranquebar, 3½ miles, at Rs. 50 per mile.	175		
Do. ...	Do. ...	22	Road No. 47 along the right bank of Thirumalarajanar from road No. 14 eastwards.	120		
Do. ...	Do. ...	23	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 1 to 7 miles inclusive, at Rs. 50 per mile.	350		
Do. ...	Do. ...	24	Road No. 79 along the south bank of Arasillár, 3¼ miles, at Rs. 40 per mile.	130		
Do. ...	Máyavaram ...	25	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 8th to 17th mile, at Rs. 50 per mile.	500		
Do. ...	Do. ...	26	Road No. 12 along Veerasholam right bank from Auduthorai to Tranquebar, 23 miles, at Rs. 75 per mile.	1,725		
Do. ...	Shiyáli ...	27	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 18th to 27th mile, at Rs. 50 per mile.	500		
Do. ...	Do. ...	28	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 28th to 31st mile.	200		
Do. ...	Nannilam ...	29	Road No. 79 along Arasillár south bank, 12½ miles, at Rs. 50 per mile.	625		
Do. ...	Do. ...	30	Road No. 46 from Nagore to Kangalanjery along the Vettár south bank to connect road No. 16 with No. 35, 4½ miles, at Rs. 60 per mile.	270		
			Carried over ...	12,985	1,900	

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92—*cont.*

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	
			Brought forward ...	12,985	1,900	
			LOCAL FUNDS UNDER ACT V OF 1884—*cont.*			
			Communications—cont.			
			Repairs—*cont.*			
Negapatam ...	Tiruturaipúndi.	31	Road No. 51 from Maniyar along the south bank of the Harichandranadi, 13½ miles, at Rs. 100 per mile.	1,340		
Do. ...	Do. ...	32	Road No. 63 from No. 26 near Tiruturaipúndi or from Ponáni to Kullimedoo, 11¾ miles.	1,270		
Do. ...	Mannárgudi ...	33	Road No 51 from road No. 18 to Mulliyar head and joining road No. 35 and thence to Thalianayar, 9 miles, at Rs. 75 per mile.	675		
Do. ...	Do. ...	34	Road No. 90 along the north bank of the Vennár from road No. 15 and joining No. 38, 5¼ miles, at Rs. 60 per mile.	315		
Do. ...	Do. ...	35	Road along the left bank of the Korayar on road No. 23 to Mulliyar head, 4 miles, at Rs. 40 per mile.	190		
Do. ..	Negapatam ...	36	Road No. 46 from Nagore to Kangalanjery along the Vettár south bank.	210		
			Special Repairs.			
Do. ...	Tiruturaipúndi.	37	Raising road No. 63 in 7th and 8th miles.	1,200		
Do. ...	Do. ...	38	Repairing tunnels on road No. 63.	500		
			Total, Local Funds under Act V of 1884, Communications, Repairs.	...	18,685	
			Total, Communications, Repairs.	...	20,585	
			CANAL AND FERRY FUND.			
			Tools and Plant (Special).			
Godávari, Eastern.	......	39	Purchase of a steam launch for the Rajahmundry ferry.	20,000		
Godávari, Western.	......	40	Purchase of a steam launch for the Narsápur ferry.	20,000		
Godávari, Eastern.	......	41	Repair of ferry boats on the Kovur-Munjair junction canal.	250		
			Total ...	...	40,250	

PRELIMINARY ISSUE.

EXCLUDED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

MADRAS.

PUBLIC WORKS DEPARTMENT.

EXCLUDED LOCAL FUNDS BUDGET ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS,

FOR THE YEAR

1891-92.

Prepared with reference to the Government of India Resolution, No. 473 A.G., dated 17th November 1880.

MADRAS,
20th December 1890.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

EXCLUDED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXPENDITURE FROM EXCLUDED LOCAL FUNDS ON PUBLIC WORKS IN THE MADRAS PRESIDENCY FROM 1ST APRIL 1891 TO 31ST MARCH 1892.

Abstract of Estimated Charges from Local Funds on Public Works in the Madras Presidency from 1st April 1891 to 31st March 1892.

—	ACTUALS, 1889-90.	BUDGET ESTIMATE, 1890-91.	BUDGET ESTIMATE, 1891-92.
	Rs.	Rs.	Rs.
ORIGINAL WORKS.			
Civil Buildings	...	...	...
Communications	...	...	...
Miscellaneous Public Improvements	22,320	...	2,170
Total ...	22,320	...	2,170
REPAIRS.			
Civil Buildings	1,002	...	200
Communications	...	...	...
Miscellaneous Public Improvements	5,633	...	1,300
Total ...	6,635	...	1,500
TOTAL, WORKS AND REPAIRS.			
Civil Buildings	1,002	...	200
Communications	...	...	...
Miscellaneous Public Improvements	27,953	...	3,470
Total ...	28,955	...	3,670
Establishment	6,658	...	845
Tools and Plant	433	...	55
Grand Total ...	36,046	...	4,570

GOVERNMENT OF MADRAS.

ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

—	Funds to which the Grants for 1891-92 are chargeable.			Revised Estimate, 1890-91.
	Municipal.	Port Fund.	Totals, 1891-92.	
	Rs.	Rs.	Rs.	Rs.
ORIGINAL WORKS.				
Civil Buildings	...	...	...	...
Communications	...	...	...	...
Miscellaneous Public Improvements	...	2,170	2,170	6,758
Total ...	...	2,170	2,170	6,758
REPAIRS.				
Civil Buildings	...	200	200	589
Communications	...	...	...	...
Miscellaneous Public Improvements	...	1,300	1,300	6,062
Total ...	...	1,500	1,500	6,651
Total, Works and Repairs ...	...	3,670	3,670	13,409
Establishment	...	845	845	2,861
Tools and Plant	...	55	55	189
Grand Total ...	...	4,570	4,570	16,459

EXCLUDED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

MADRAS.

GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXCLUDED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1891-92.

Budget Estimate of Revenue that will be realised by, and on account of Excluded Local Funds of, the Public Works Department in the Madras Presidency for the year from 1st April 1891 *to* 31*st March* 1892.

—	ACTUALS, 1889-90.	BUDGET ESTIMATE, 1890-91.	REVISED ESTIMATE, 1890-91.	BUDGET ESTIMATE, 1891-92.
	Rs.	Rs.	Rs.	Rs.
Realised in the Public Works Department.	119	...	700	700
Total ...	119	...	700	700

GOVERNMENT OF MADRAS.

List of Minor Works and Repairs proposed to be carried out by the Public Works Department during 1891-92.

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	
			PORT FUND.			
			Minor Works.			
West Coast ...	Cochin ...	...	Miscellaneous Public Improvements (Protecting the foreshore at Cochin) ...	2,170		
					2,170	
			Repairs.			
Godávari, Eastern.	Cocanada ...	..	Civil Buildings, Repairs (Repairs to the Marine Villa at Cocanada)	200		
					200	
West Coast ...	......	...	Miscellaneous Public Improvements, Repairs	1,000		
Negapatam ...	Negapatam ...	...	Miscellaneous Public Improvements, Repairing the jetty wall at Negapatam	300		
					1,300	
			Total ...	...	1,500	

PRELIMINARY ISSUE.

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1891-92.

MADRAS,
22nd December 1890.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

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Abstract of the Budget-Estimate of Revenue	2
Ditto ditto of Expenditure	2 & 3
Details of the Budget-Estimate of Expenditure—	
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Appendix to above—	
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Part II.—Detail of Estimate for Repairs	8

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1891 TO 31st MARCH 1892.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,522	3,500	4,000	4,000
In Civil and Military Departments	...	...	...	...
Total ...	25,522	3,500	4,000	4,000

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT ON MILITARY WORKS IN MADRAS FROM 1st APRIL 1891 TO 31st MARCH 1892.

—		Reference to Detailed Estimate.	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.
		Rs.	Rs.	Rs.	Rs.	Rs.
Original Works	In progress	...	2,96,214	33,010	47,914	19,100
	Not commenced					...
Repairs	Ordinary	...	3,13,295	47,500	46,320	45,000
	Special					
Establishment		...	1,47,849	18,690	21,846	14,940
Tools and Plant		...	9,141	1,200	1,405	960
Suspense Account		...	...	...	...	...
Total ...		...	7,66,499	1,00,400	1,17,485	80,000

ABSTRACT OF THE CHARGES TO BE INCURRED BY THE PUBLIC WORKS DEPARTMENT FROM IMPERIAL FUNDS AND CONTRIBUTIONS IN BOTH INDIA AND ENGLAND.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.								
				Original Works.			Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.
				In progress.	Not commenced.	Total.						
Provision from Imperial Funds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs	Rs.
In India ...	7,66,499	1,00,400	1,17,485	19,100	...	19,100	45,000	14,940	960	...	...	80,000
In England.	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	7,66,499	1,00,400	1,17,485	19,100	...	19,100	45,000	14,940	960		...	80,000
Provision from Contributions. In India ...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total ...	7,66,499	1,00,400	1,17,485	19,100	...	19,100	45,000	14,940	960		...	80,000

STATEMENT SHOWING THE WORKS ON WHICH OUTLAY IN ENGLAND ABOVE PROVIDED FOR IS TO BE INCURRED.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.					
				Original Works.			Tools and Plant.	Suspense Account.	Total.
				In progress.	Not commenced.	Total.			
				Nil.					

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS A

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
1. *Accommodation for troops*—Buildings for European troops.	West Coast.	Calicut ...	1	New barracks with subsidiary buildings.	31,560
			2	Reserve with the Government for Incomplete Major and Minor Works.	...
				Total ...	...

I.

ORIGINAL WORKS FOR THE YEAR 1891-92.

WORKS.

Outlay.		Grant, 1891-92.			Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	10,000	14,100	...	...	1	G.O., No. 1339 W., dated 12th May 1890 and No. 3015 W., dated 13th November 1890. Item No. 2, class B works, budget of 1890-91.
				14,100		
...	...	5,000	...	5,000	2	
...	...	19,100	...	19,100		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1890-91, BUT ON

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
				IMPERIAL ORDINARY.	Rs.
				Military.	
				Original Works.	
1. *Accommodation for troops—* Buildings for European troops.	West Coast.	Calicut ...	1	Quarters for an Apothecary, West Hill Barracks.	...
	Do. ...	Do. ...	2	Constructing a swimming-bath for the Detachment of British Infantry at West Hill.	...
	Do. ...	Do. ...	3	Constructing an officer's mess with out-houses.	...
	Do. ...	Vayitri ...	4	Reconstructing Sergeant-Instructor's quarters.	...
	Do. ...	Malapuram ...	5	Constructing an officer's mess with out-houses.	...
	Coimbatore.	Ootacamund ...	6	Quarters for the Warrant officer attached to the Army Head-quarters.	6,100
	Do. ...	Do. ...	7	Converting the Sapper hospital building on Stonehouse Hill into quarters for two Sergeant-Instructors, Nílgiri Volunteer Rifles.	3,600
Buildings for Native troops.	Ganjam ...	Berhampore ..	8	Constructing a Rifle range for the Madras Infantry Regiment.	...
	Vizagapatam.	Vizianagrum ...	9	Regimental store for Native Infantry including storage for camp equipage.	3,480
	West Coast...	Cannanore ...	10	Constructing quarters for men of the Army hospital Native Corps.	2,980
	Do. ...	Mangalore ...	11	Quarters for two Hospital Assistants.	...
Commissariat buildings.	Do. ...	Malapuram ...	12	Constructing a shed for transport animals.	2,824
	Do. ...	Do. ...	13	Cattle-shed for the Commissariat Department.	...
Fortifications ...	Do. ...	Do. ...	14	Constructing a fortified post ...	8,248
Staff and Miscellaneous.	Coimbatore.	Ootacamund...	15	Constructing a latrine for the boys at the Lawrence Asylum.	3,000
				Total ...	

B.

WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS.

Outlay.		Amount applied for 1891-92.			Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,000		1	Estimate is awaited.
...	...	...	5,000		2	Do.
...	...	...	8,000		3	Do.
...	...	...	4,000		4	Do.
...	...	...	8,000		5	Do.
...	...	...	6,100		6	G.O., No. 1316 W., dated 10th May 1890. Item No. 24, class C works, budget of 1890-91.
...	...	...	3,600		7	G.O., No. 1068 W., dated 9th April 1888. Item No. 25, class C works, budget of 1890-91.
...	...	...	3,830		8	Estimate is awaited.
...	...	...	3,480		9	G.O., No. 2628 W., dated 27th October 1884. Item No. 58, class C works, budget of 1890-91.
...	...	...	2,980		10	G.O., No. 2707 W., dated 26th September 1889.
...	...	...	5,500		11	Estimate is awaited.
...	...	...	2,824		12	G.O., No. 1245 W., dated 27th April 1888. Item No. 79, class C works, budget of 1890-91.
...	...	...	4,000		13	Estimate is awaited. Item No. 78, class C works, budget of 1890-91.
...	...	...	8,248		14	G.O., No. 3114 W., dated 18th November 1887. Item No. 98, class C works, budget of 1890-91.
...	...	...	3,000		15	G.O., No. 2139 W., dated 16th July 1888. Item No. 103, class C works, budget of 1890-91.
...	...	...	...			

GOVERNMENT OF MADRAS.

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS UNDER IMPERIAL—MILITARY WORKS IN MADRAS FOR THE YEAR 1891-92.

Head of Classification.	Executive Division.	Locality.	Items.	Estimate, 1891-92. Amount.	Estimate, 1891-92. Total.	Estimate, 1890-91. Amount.	Estimate, 1890-91. Total.
				Rs.	Rs.	Rs.	Rs.
			MILITARY BUILDINGS.				
	Ganjam ...	...	Annual repairs. ...	1,000			
	Vizagapatam.	...	Do. ...	2,500			
	Godávari, Eastern.	...	Do. ...	1,000			
	Cuddapah ...	...	Do. ...	780			
	Kurnool ...	...	Do. ...	360			
	Coimbatore ...	...	Do. ...	6,500			
	West Coast ...	...	Do. ...	22,000			
	South Arcot ...	...	Do. ...	180			
	Tanjore ...	...	Do. ...	600			
	Trichinopoly.	...	Do. ...	5,000			
	Madura ...	...	Do. ...	420			
	Tinnevelly ...	...	Do. ...	540			
	Reserve with the Government.	...	Do. ...	4,120			
			TOTAL, MILITARY BUILDINGS.	...	45,000	...	47,500

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ the following papers :—

From the Superintending Engineer,	I Circle, dated	26th Sept. 1890,	No.	418 G.L.
" " "	II " "	7th Oct.	"	
" " "	III " "	30th Sept.	"	
" " "	IV " "	30th "	"	No. 318 E.W.
" " "	V " "	20th Oct.	"	" 3373.
" " "	VI " "	6th "	"	" 1338 T.J.

From the Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 5th November 1890, No. 2852 M.W.

Resolution by the Government of India, Military Department, dated Simla, 1890.

The following provisional distribution of the grant for military works in 1891-92 is hereby notified :—

	RS.	RS.
Military Works Department, India	84,50,000	84,50,000
Public Works Department—		
Rajputana and Central India	90,000	
Central Provinces	3,000	
Lower Burma	1,88,000	
Assam	2,00,000	
Bengal	40,000	10,50,000
North-Western Provinces and Oudh	9,000	
Punjab	1,90,000	
Madras	80,000	
Bombay	2,50,000	
Ordnance Works	3,10,000	3,10,000
Marine Works	40,000	40,000
Total ...		98,50,000
Leaving for reserve with the Government of India		2,50,000
Grand Total ...		1,01,00,000

2. The above allotments include provision for any expenditure that may be incurred in England on stores for works classified as Military.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner of Public Works Accounts), dated Chepâk, 8th December 1890, No. 4171.

I have the honor to forward a special indent on the Director-General of Stores in England, for stores urgently required by the Consulting Architect to Government, for the Medical College at Madras.

ENCLOSURE.

REPORT to accompany indent for stores for the Medical College, Madras.

The cost of these stores are included in the estimate for latrines and lavatories for the students at the Medical College, Madras, sanctioned in G.O , No. 2956 W., dated 8th November 1890.

2. Articles of this description cannot be obtained of local manufacture.

(Signed) H. IRWIN,
Consulting Architect to Government.

Office note from the Examiner, Public Works Accounts, dated Madras, 19th December 1890, No. 7533-153.

The accompanying letter from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, No. 4171, dated 8th December 1890, with an indent (No. 13, of 3rd December 1890) for English stores for transmission to the Secretary of State, is forwarded for necessary action.

2. I certify that funds to meet the estimated outlay in England in connection with this indent during the year 1890-91 have been provided by the Local Government to the extent of £39-1-6 in the estimate of the Public Works Department for that year.

ORDER—dated 29th December 1890, No. 3417 W., Public Works.

Ordered to be forwarded to the Home Government for compliance.

(Here enter No. 3418 W., dated 29th December 1890.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
„ Consulting Architect to Government.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 29th.

Recd. *Encl.*

G.O., 29th Dec. 1890, No. 3417 W.

DECEMBER.

Medical College, Madras

Ordered that the special indent for stores required for the — be forwarded to the Home Government.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

COLONEL J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE DIRECTOR-GENERAL OF STORES,
INDIA OFFICE,
LONDON.

SIR,

I am directed to forward, for favor of early compliance, a special indent for stores urgently required for the Medical College, Madras.

2. The necessary certificate by the Examiner, Public Works Accounts, is embodied in the Proceedings* of this Government forwarded herewith.

* No. 3417 W., dated 29th December 1890.

(Here enter No. $\frac{3418}{A}$ W., dated 29th December 1890.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
29th December 1890.

ENDORSEMENT—dated 29th December 1890, No. $\frac{3418}{A}$ W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India.

(By Order.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 29th.

Recd. *Encl.*

29th Dec. 1890, Nos. 3418 W., $\frac{\text{3418 W.}}{\text{A}}$

DECEMBER.

Medical College, Madras

Forwarding copy of special indent for stores urgently required for the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

BUILDINGS AND ROADS,

FOR THE MONTH OF DECEMBER 1890.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Telephone apparatus.—Proceedings in the Judicial Department accepting the charge for the removal of the — from the old Police station, High road, Triplicane, to the new one on the Wallajah road, communicated to the Superintendent of Telegraphs, Madras Division.	1st Dec. 1890, No. 3185 W.	5th Nov. 1890, No. 2932 W. 12th April 1890, No. 1097 W.
Ferry boats on Kowur-Munjair Junction Canal.—Proceedings in the Financial Department directing the Accountant-General to place Rs. 50 at the disposal of the Public Works Department for repairs to the —, communicated to the Superintending Engineer, I Circle, and the Examiner of Public Works Accounts.	1st do. do. No. 3186 W.	17th Sept. 1890, No. 2486 W. 31st July 1890, No. 2075 W. 6th Aug. 1890, No. 2128 W.
Inspection notes of the Godávari Eastern Division office.—The Examiner's office note on the explanation of the Executive Engineer on certain points noticed in the —, communicated to the Superintending Engineer, I Circle.	1st do. do. No. 3187 W.	14th Nov. 1890, No. 4669 C. 30th Oct. 1890, No. 4441 C. 8th Oct. 1890, No. 4034 C. 29th Aug. 1890, No. 2348 W. 8th Aug. 1890, No. 3327 C. 27th June 1890, No. 1781 W. 6th June 1890, No. 1571 W. 27th Jan. 1890, No. 260 W. 7th Jan. 1890, No. 39 C. 28th Aug. 1889, No. 2372 W. 23rd May 1889, No. 1383 W. 1st Nov. 1888, No. 3461 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued.*) 17th Aug. 1888, No. 2525 W. 1st Aug. 1889, No. 2068 W.
Inspection notes of No. I Periyár Division.—The Examiner's remarks on the replies of the Executive Engineer to certain items in the —, recorded.	1st Dec. 1890, No. 3188 W.	28th Oct. 1890, No. 4395 C. 16th Oct. 1890, No. 2736 W. 16th June 1890, No. 2658 C. 23rd July 1890, No. 2010 W. 31st Mar. 1890, No. 1029 W. 16th April 1889, No. 1050 W. 2nd June 1890, No. 1533 W.
Vouchers over-due in the V Circle.—Office note from the Examiner, Public Works Accounts, regarding certain —, recorded.	1st do. do. No. 3189 W.	21st Nov. 1890, No. 4804 C. 6th Oct. 1890, No. 2602 W.
Furlough allowances to Coopers Hill Engineers.—Orders on telegram from the Government of India requesting the early submission of a complete statement of —.	1st do. do. No. 3190 W.	......
The Government of India addressed on the above.	1st do. do. No. 3191 W.	......
Colored glass for the new Law Courts.—The Director-General of Stores requested to take early steps for supplying the —, as it is urgently required.	1st do. do. No. 3192 W.	13th Nov. 1890, Nos. 3000—2 W.
Manapad Lighthouse.—Estimate for constructing a cook-house for the Superintendent, —, and a compound wall in front of the Light-keeper's quarters, returned to the Superintending Engineer, VI Circle, for sanction.	1st do. do. No. 3193 W.	......
Lawrence Asylum Press.—Proceedings, Educational Department, directing the Consulting Architect to Government to make a complete valuation of the building, plant, &c., of the — with the assistance of Mr. Hill, Superintendent, Government Press, communicated to the Consulting Architect to Government.	1st do. do. No. 3194 W.	......
Mr. S. D. Pears, Assistant to the Chief Engineer for Irrigation, Tank Restoration Scheme.—The grant of Presidency allowance to —, sanctioned.	2nd do. do. No. 3195 W.	......
Mr. Keeling, Assistant Engineer.—The increase of pay of — to Rs. 400 per mensem from 1st October 1890, sanctioned.	2nd do. do. No. 3196 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mahal at Chendragiri.—Allotting Rs. 31 for preserving the gateway of the —.	2nd Dec. 1890, No. 3197 W.	......
Confidential	2nd do. do. No. 3198 W.	......
Mr. J. C. Johnston, Executive Engineer.—Ordered that the memorial of — to the Governor-General, be forwarded to the Government of India.	2nd do. do. No. 3199 W.	......
Forwarded	2nd do. do. No. 3200 W.	......
Mr. H. S. Taylor, Executive Engineer.—Letter from — reporting his furlough allowances were drawn by his agents in London, recorded.	3rd do. do. No. 3202 W.	......
Rents for certain Government Buildings.—Ordered that the Government of India be furnished with the information supplied by the Examiner, Public Works Accounts, showing on what basis the — have been assessed.	3rd do. do. No. 3203 W.	8th Sept 1890, Nos. 2417-18 W. 11th Aug. 1890, No. 2185 W. 27th Nov. 1888, No. 3741 W. 14th June 1885, No. 1764 W. 14th Feb. 1890, No. 484 W. 25th June 1889, No. 1668 W. 14th Jan. 1889, No. 77 W. 27th Nov. 1888, No. 3741 W.
The above forwarded to the Government of India.	3rd do. do. No 3204 W.	......
Taluk Cutcherry at Wandiwash.—Letter from the Superintending Engineer, V Circle, reporting that it is not advisable to collect materials for constructing a first-class —, recorded with remarks.	4th do. do. No. 3208 W.	11th Nov. 1890, No. 2976 W. 28th May 1889, No. 1409 W. 18th Aug. 1890, No. 2246 W. 16th Sept. 1890, No. 247 W. 13th Sept. 1890, No. 2454 W.
Statement of objectionable items.—Orders on Provincial —, III Circle, for period ending 31st August 1890.	4th do. do. No. 3209 W.	13th Nov. 1890, No 3003 W. 29th Aug. 1890, No. 2342 W.
Dock works at Kidderpore.—Copy of the 14th quarterly inspection report of the —, forwarded to the Chairman, Madras Harbour Trust Board.	4th do. do. No. 3210 W.	29th Aug. 1890, No. 2326 W.
Artesian well-boring at Ongole.—The Superintending Engineer, VI Circle, requested to submit a list of the plant used at Tuticorin for transfer to Ongole for the —.	4th do. do. No. 3211 W.	26th Nov. 1889, No. 3350 W. 18th Nov. 1890, No. 3078 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
V. Sambasiva Row.—Proceedings, Educational Department, sanctioning the continuance of the services of —, an unpassed candidate, as clerk in the office of the Superintending Engineer, II Circle, till the end of September 1890, communicated to the Superintending Engineer.	4th Dec. 1890, No. 3212 W.	4th Nov. 1890, No. 4523 C. 8th Sept. 1890, No. 2415 W. 16th Aug. 1890, No. 629 D.
Statement of road communication for 1888-89.—Letter from the Government of India calling for the —, communicated to the Local and Municipal Department for early attention.	4th do. do. No. 3213 W.	18th Sept. 1890, Nos. 2502-3 W. 26th Aug. 1890, No. 2315 W. 15th Aug. 1890, No. 2228 W. 29th July 1890, No. 547 D.
Statement of road communication for 1888-89.—The Government of India informed that the — will be forwarded as soon as the necessary information called for from District Boards is obtained.	4th do. do. No. 3214 W.	......
Statement showing London stores obtained from England during the last five years.—The — furnished by the Examiner, Public Works Accounts, recorded.	4th do. do. No. 3215 W.	3rd July 1890, No. 2891 W. 8th Oct. 1889, No. 2812 W. 1st Nov. 1889, No. 3082-83 W.
Clerk Terurangadum Mudaliar and Draftsman Veeraragavalu Naidu.—Passing orders regarding the employment of — of the late Presidency Division.	4th do. do. No. 3217 W.	7th Nov. 1890, Nos. 4577-78 C. 17th Oct. 1890, No. 4225 C. 6th Aug. 1890, No. 2125-26 W. 20th June 1890, No. 2740 C. 20th June 1890, No. 2738 C 7th June 1890, No. 1584 W.
The Government of India addressed on the above.	4th do. do. No. 3218 W.	......
Country paper supplied to the Examiner, Public Works Accounts.—Proceedings, Financial Department, authorising the sale by public auction of the — seven years ago for forms if it is not required by any other public office in the Presidency, communicated to the Examiner, Public Works Accounts.	4th do. do. No. 3219 W.	......
Para. 219, Public Works Code.—The Secretary, Code Committee, directed to issue the requisite Standing order expunging the word " executive " in line 57.	4th do. do. No. 3220 W.	......
Non-Commissioned officers of the Public Works Department.—Telegram from the Government of India stating that the order of the Home Government regarding the pay of non-commissioned officer promoted to warrant rank during furlough is applicable to —, recorded.	4th do. do. No. 3221 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Reformatory School at Chingleput.—Proceedings, Judicial Department, passing orders on the annual report of the — for 1889-90, recorded.	5th Dec. 1890, No. 3222 W.	......
Completion report.—Report of the Superintending Engineer, VI Circle, that no — need be submitted for rearrangement of workshop at the Grand Anicut, Tanjore, as the estimate for it was cancelled, recorded.	5th do. do. No. 3223 W.	......
Invalid gratuity.—Proceedings, Pension Department, granting an— to clerk V. Ramakrishnayya of the Kistna Eastern division, recorded.	5th do. do. No. 3226 W.	......
Wrought iron Cubicles.—Allotting Rs. 1,630 for constructing ten — in the Reformatory Hospital at Chingleput.	5th do. do. No. 3227 W.	......
Report on the Native Newspapers for fortnight ending 15th November 1890, recorded.	5th do. do. No. 3228 W.	......
Vencataramaya Pantulu, Sub-Engineer.—The grant of a special allowance of Rs. 100 to — during the time he held charge of the Ganjam division, sanctioned.	5th do. do. No. 3229 W.	......
M. Robert May.—Proceedings, Educational Department, exempting — from the Examination rules during his employment as Irrigation Superintendent in the Kurnool division, communicated to the Superintending Engineer, III Circle.	5th do. do. No. 3230 W.	......
Public holidays.—Office note from the Examiner, Public Works Accounts, requesting certain information regarding —, forwarded to the Public Department for favor of reply.	5th do. do. No. 3231 W.	......
Samuel Pillai, Irrigation Superintendent, Kurnool Division.—Proceedings, Educational Department, sanctioning the exemption of — from the Examination rules, communicated to the Superintending Engineer, III Circle.	5th do. do. No. 3232 W.	......
Statement of objectionable items.—Orders on Provincial —, I Circle, for period ending 31st August 1890.	5th do. do. No. 3233 W.	29th Aug. 1890, No. 2340 W.
Statement of objectionable items.—Orders on Provincial —, V Circle, for period ending 31st August 1890.	5th do. do. No. 3234 W.	29th Aug. 1890, No. 2341 W.
Report of the Trichinopoly District Board.—Proceedings, Local and Municipal Department, reviewing the — for 1889-90, recorded.	5th do. do. No. 3235 W.	......
Statement of Expenditure, Madras Harbour Works.—Letter from the Chairman, Harbour Trust Board, reporting that the —, compared with sanctioned estimate for the quarter ending 30th September 1890, has not yet been completed, recorded.	5th do. do. No. 3236 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Budgets.—Inquiring of the Government of India if the statement showing the totals of the revised and budget estimates and revenue and charges under Provincial and Local funds may be submitted by the 15th January and, if so, that the detailed budgets along with the budget estimates under Imperial funds will be submitted by the 15th February.	6th Dec. 1890, No. 3237 W.	14th Nov. 1890, Nos. 3032-33 W. 11th Jan. 1884, No. 73 W.
Site for a cholera camp at Dowlaishweram.—Proceedings, Judicial Department, recording correspondence relative to the —, recorded with reference to G.O., No. 3050 W., dated 15th November 1890.	6th do. do. No. 3241 W.	......
Fatal accident on the Potinghi Ghât road.—Report of a — on 31st October, recorded.	6th do. do. No. 3242 W.	......
Photographs.—Letter from the Consulting Architect to Government requesting permission to take — of the New High Court buildings and of the Police station in the Government House compound, sanctioned.	6th do. do. No. 3243 W.	......
Deputy Tahsildar's office at Arni.—The Superintending Engineer, IV Circle, directed to carry out certain improvements to the —.	6th do. do. No. 3244 W.	25th Nov. 1890, No. 4864 C.
Para. 1966 *of the Public Works Code.*—Approving with the Examiner that the latter part of — laying down "that a formal allotment of funds is not necessary in the case of works continued from a previous year and likely to be completed within the current year with an expenditure not exceeding Rs. 500" should not apply to Local Fund Works and also to Estate Works.	6th do. do. No. 3245 W.	14th Aug. 1890, No. 2208 W. 20th June 1890, No. 1718 W. 19th Feb. 1889, Nos. 3607-8 W.
M. Angamuhtu Mudaliar, Draftsman.—The transit pay of — transferred from No. II Party to the Central office, Tank Maintenance Scheme, sanctioned.	6th do. do. No. 3246 W.	......
Accountants.—The transfer of certain — proposed by the Examiner, Public Works Accounts, approved.	6th do. do. No. 3247 W.	......
Superintendent of the Dumagudiem Locks.—The recommendation of the Chief Engineer for Irrigation to bring the — on the permanent establishment, approved; and the Superintending Engineer, I Circle, directed to submit a proposition statement in the prescribed form.	6th do. do. No. 3248 W.	7th Jan. 1887, No. 24 W. 15th Feb. 1881, No. 406 W. 15th June 1887, No. 1616 W. 30th Jan. 1878, No. 496 W. 9th Mar. 1880, No. 569 W.
Travelling allowance to Engineer Subordinate Students.—Passing orders on the question of the grant of — referred to by the Superintending Engineer, V Circle.	6th do. do. No. 3249 W.	27th Nov. 1890, No. 3180 W. 17th Oct. 1890, No. 4220 C. 10th Sept. 1890, No. 3698 C.

3. The distribution of the grants for Ordnance and Marine will be made by the Director-General of Ordnance and the Director of Indian Marine, respectively. These officers will communicate to the local Governments and Administrations concerned the works which they desire to have undertaken during 1890-91 and the amounts available for each work which amounts will then be included by the local Governments and Administrations concerned in their budget estimates for military works.

4. The preliminary budget estimates should be prepared for the amounts now provisionally sanctioned together with the allotments, if any, made by the Director-General of Ordnance and the Director of Indian Marine, and should be submitted so as to reach the Government of India punctually by the 15th January 1891.

5. Orders regarding the grant for military works in Upper Burma will issue hereafter.

Order.—Ordered that a copy of the foregoing resolution be forwarded to local Governments and Administraions noted in the margin for information and guidance.

The Secretary to the Governments of Madras, Bombay, Bengai, North-Western Provinces and Oudh, and Punjab in the Public Works Department.
The Chief Commissioners, Central Provinces, Burma and Assam.
The Agent to the Governor-General, Rajputana and Central India.
The Director-General of Military Works.
The Director-General of Ordnance in India.
The Director of the Indian Marine.
The Resident at Hyderabad.

Ordered also that a copy be forwarded to—

The Quartermaster-General in India.
The Accountant-General, Public Works Department.
The Accountant-General, Military Department.

From Colonel E. H. EYRE, Officiating Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 25th November 1890, No. 948 M.W.

In acknowledging receipt of resolution of the Government of India, Military Department, No. 2852 M.W. of 5th November 1890, forwarded with your letter No. 4749 C. of the 19th instant, fixing the grant for 1891-92 for military works in charge of the Public Works Department at Rs. 80,000, I am desired to say that the proposal to allot the amount, viz., Rs. 14,120 available for Major Works, towards the construction of the new barracks at Calicut is accepted, but that owing to the surrender by the Superintending Engineer of Rs. 10,000 of the grant allotted for this work in the current year's budget, and regarding which no previous intimation was given to this office, it will now be necessary to make an application to the Government of India for a special grant of Rs. 7,440, to admit of the completion of the barracks before the close of the official year 1891-92.

2. With reference to para. 4 of your letter under reply, I am to say that the Commander-in-Chief considers the construction of the sheds for transport animals at Malapuram a work of an urgent nature. His Excellency accordingly desires me to request that the Government of India may be addressed in view to a special allotment of funds being secured for the provision of the sheds in question.

3. With reference to the penultimate para. of your letter, I am to suggest that a sum similar to that provided in the current year may be allotted to General Officers Commanding Districts concerned and the Commissary General for the execution of minor works at stations under the control of the Public Works Department.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Tents.—Considering it unnecessary to lay down a scale of measurements for — to be carried by sea.	6th Dec. 1890, No. 3250 W.	.....
Rent of certain buildings.—Ordered that the Government of India be requested to confirm the rates of — fixed by this Government and to declare that orders of this Government fixing special rates of rent for particular buildings prior to the date of the revised rent rules shall not be questioned by the Audit Department.	8th do. do. No. 3253 W.	12th April 1888, No. 1104 W. 10th Mar. 1888, No. 801 W.
The Government of India requested accordingly.	8th do. do. No. 3254 W.	......
Incorporated Local Fund.—Proceedings, Local and Municipal Department, forwarding to Presidents of District Boards concerned, extracts from lists of works proposed for execution during 1891-92 from — under Act V of 1884, recorded.	8th do. do. No. 3256 W.	......
Taluk office at Ellore.—Allotting Rs. 3,000 for constructing a —.	8th do. do. No. 3257 W.	11th Nov. 1890, No. 2977 W.
Establishment disallowance items.—Passing orders on statement showing — outstanding in the accounts for August 1890.	8th do. do. No. 3258 W.	......
Mr. H. E. G. Evans, Executive Engineer, IV Grade.—Permitting, — to retire from the service, and the Examiner requested to report on Mr. Evans' claim to pension.	8th do. do. No. 3259 W.	20th June 1890, No. 2483 C. 16th Nov. 1889, No. 5356 C. 17th June 1889, No. 2821 C. 16th Nov. 1888, No. 4518 C. 14th July 1888, No. 2144 W.
Report of the Kurnool District Board for 1889-90.—Proceedings Local and Municipal Department, reviewing the —, recorded.	8th do. do. No. 3260 W.	......
Mr. Medlicott, Executive Engineer.—The proposal of — to hand over and assume charge of the Aska Sub-division at Goplápur, approved.	8th do. do. No. 3261 W.	......
Military lines at Sámalkót.—Passing orders regarding the adjustment of the cost of improvements to the —.	9th do. do. No. 3262 W.	18th Aug. 1890, Nos. 2239-40 W. 19th July 1890, No. 1936 W. 4th Nov. 1890, No. 2919 W. 29th Sept. 1890, No. 2559 W. 17th July 1890, Nos. 1936-37 W.
Mr. A. Joyce, Executive Engineer.—The assumption of charge by — away from head-quarters, sanctioned.	9th do. do. No. 3263 W.	......
Temporary clerks, Bellary division.—The Examiner authorised to pass the pay of two — for September 1890.	9th do. do. No. 3264 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Harichandra Nadi river in the Tanjore district.—The Local and Municipal Department requested to place at the disposal of this department Rs. 70 the balance of the estimate of Rs. 1,770 for raising the right bank of the —.	9th Dec. 1890, No. 3265 W.	20th Oct. 1890, No. 2770 W. 24th Nov. 1890, No. 3125 W.
Fifty years' statement – Orders on — submitted by the Examiner, Public Works Accounts.	9th do. do. No. 3266 W.	......
The above forwarded to the Government of India.	9th do. do. No. 3267 W.	......
Sub-Registrar's office at Ganapatti.—Endorsement of the Superintending Engineer, IV Circle, forwarding copy of letter from the Inspector-General of Registration requesting to defer the preparation of estimate for the — as the site is not found yet, recorded.	9th do. do. No. 3268 W.	15th Jan. 1890, No. 106 W.
English stores.—The purchase of certain — from the local market for the Public Works Workshops, Madras, sanctioned.	9th do do. No. 3269 W.	......
Government quarters at Ootacamund.— Regarding clerks occupying —, reporting the dates of their arrival at, and departure from, the quarters.	9th do. do. No. 3270 W.	......
Certificates of transfer of charges.—Government Order, Public Department, directing to discontinue the submission to Government of copies of —, recorded.	9th do. do. No. 3271 W.	......
Military buildings at Cannanore.—The occupation of the —, by the survey office, free of rent, sanctioned.	9th do. do. No. 3272 W.	13th Nov. 1890, No 2997 W. 8th Sept. 1890, Nos. 2390-91 W.
Kovur-Munjair Junction Canal.—Proceedings, Local and Municipal Department, sanctioning Rs. 747 required for the maintenance of the —, communicated to the Superintending Engineer, I Circle.	9th do. do. No. 3273 W.	16th Oct. 1890, No. 2739 W.
Mr. J. Hannan, Superintending Engineer, II Circle.—Approval of the Government of India to the recovery of the increased rate of house-rent from — from 1st January 1890, communicated to the Superintending Engineer, II Circle, and the Examiner, Public Works Accounts.	9th do. do. No. 3274 W.	14th Oct. 1890, No. 2696-97 W. 22nd Aug. 1890, No. 3478 C. 31st Oct. 1889, Nos. 3076-77 W.
Inspection report of the West Coast division by the Superintending Engineer, IV Circle.—Remarks of the Examiner on the —, communicated to the Superintending Engineer, for information and guidance.	9th do. do. No. 3275 W.	17th Oct. 1890, No. 4226 C. 21st Aug. 1890, No. 3470 C. 2nd April 1890, No. 1039 W. 25th Mar. 1890, No. 961 W. 6th Mar. 1890, No. 732 W.
Office and Petty Establishment of the office of the Superintending Engineer, Periyár Project.—Passing orders regarding the disposal of the —.	9th do. do. No. 3276 W.	13th Nov. 1890, Nos. 3024-25 W. 8th May 1890, No. 105 D.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 16th June 1890, No. 1673 W. 16th Oct. 1890, Nos. 2743-44 W. 21st Mar. 1890, No. 919 W. 18th Oct. 1889, No. 2946 W. 6th May 1889, No. 1201 W.
St. Mary's Cemetery— Proceedings, Ecclesiastical Department, passing orders regarding the question of interment in the — and making over a plot of ground required for a cemetery for non-conformist soldiers of the garrison of Fort St. George, communicated, with remarks, to the Consulting Architect to Government.	9th Dec. 1890, No. 3277 W.	1st Dec. 1890, No. 4971 C.
Budget estimates of the Archæological Survey Department in Southern India for 1891-92.—Proceedings, Financial Department, reviewing the — recorded, with remarks.	9th do. do. No. 3278 W.	......
Taluk cutcherry at Narsaraopet, Kistna district.—Proceedings, Revenue Department, sanctioning the construction of a new — and calling for the necessary plans and estimates.	9th do. do. No. 3279 W.	......
Mr. E. V. Krishna Rou, Pleader, Guntúr.—Application of Superintending Engineer, II Circle, to file a suit against — for Rs. 18 due for steamer hire, sanctioned.	9th do. do. No. 3280 W.	......
Allotment of funds.—Allotting Rs. 1,000 for the Sub-Registrar's office at Avanigaddi and Rs. 175 for repairing the sea dyke at Masulipatam.	9th do. do. No. 3281 W.	8th Nov. 1890, No. 4616 C. 30th Oct. 1890, No. 4436 C. 22nd Sept. 1890, No. 3846 C. 17th Sept. 1890, No. 2485 W. 31st Mar. 1890, No. 1012 W.
Public quarters at Stonehouse Hill for Government peons.—Proceedings, Public Department, requesting to report to the Sub-divisional officer, Ootacamund, of the dates of occupation of the —.	10th do. do. No. 3282 W.	......
All Souls school, Coimbatore.—The Superintending Engineer, IV Circle, requested to direct the Executive Engineer to clean and secure the — from people trespassing it.	10th do. do. No. 3283 W.	......
Mr. J. D. L Calder, Accountant, I Grade, and Honorary Assistant Examiner.—Notification of the Government of India of the appointment of — as Officiating Deputy Examiner, Public Works Accounts, recorded.	10th do. do. No. 3284 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
New Taluk office at Chandragiri, North Arcot district.—Proceedings, Revenue Department, transferring plans and estimate for constructing a —, communicated to the Superintending Engineer, IV Circle, with remarks.	10th Dec 1890, No. 3285 W.	......
Alteration of procedure with respect to the preparation of salary, travelling allowance and contingent bills.—Government of India informed that no — has yet been made in this Presidency, and that the Resolution of the Government of India on the Public Works Accounts Committee's recommendations are still under consideration.	10th do. do. No. 3286 W.	1st Sept. 1890, No. 726 D. 11th Feb. 1890, Nos. 443-44 W. 6th Feb. 1890, No. 401 W.
Mr. A. Bewley, Executive Engineer, East Coast Railway.—Claim of — for arrears of furlough allowances, &c., ordered to be forwarded to the Government of India.	10th do. do. No. 3287 W.	......
Forwarded	10th do. do. No. 3288 W.	......
Census of the British Governments at Periyár and Thekady.—Proceedings, Revenue Department, communicating letter from the Resident in Travancore stating that the Travancore Government have no objection to the Chief Engineer, Periyár Project, taking the —, communicated to the Superintendent of Works, Periyár Project.	10th do. do. No. 3289 W.	......
Report of the Vizagapatam Agency.—Proceedings, Judicial Department, reviewing the — for 1889-90, communicated to the Superintending Engineer, I Circle, with remarks.	11th do. do. No. 3290 W.	......
Budget estimates of receipts and charges in the Public Works Department for 1891-92.—Proceedings, Financial Department, passing orders on the —, communicated to the Chief Engineer for Irrigation and to the Consulting Engineer for Railways.	11th do. do. No. 3291 W.	......
Supply of Red Hills water to Fort St. George.—Proceedings, Military Department, recording correspondence relative to a proposal for the —, recorded.	11th do. do. No. 3292 W.	......
Government quarters at Ootacamund.—Letter from the Executive Engineer, Coimbatore, stating that other departments have been written to to report the dates of occupation and vacation of — by their clerks, recorded.	11th do. do. No. 3293 W.	9th Dec. 1890, No. 3270 W.
Statement of payments made in England on account of stores, &c., in October 1890, communicated to the Superintending Engineer, V Circle, and the Examiner, Public Works Accounts.	11th do. do. No. 3294 W.	1st Nov. 1890, No. 2886 W. 3rd Sept. 1890, No. 2374 W. 17th Oct, 1890, No. 2750 W.
Indian Census Act, 1890.—Proceedings, Revenue Department, ordering that the notification under the—, as modified by Government, be published in the Fort St. George and in all the District Gazettes, communicated to officers of the Public Works Department.	11th do. do. No. 3295 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mr. T. Subramania Pillai, Honorary Assistant Engineer.—Report of the Superintending Engineer, VI Circle, that the pension papers of —, has already been forwarded to the Examiner, Public Works Accounts, recorded.	12th Dec. 1890, No. 3296 W.	......
Lands reserved for sale on behalf of Government.—Proceedings, Board of Revenue, amending para. 5 of G.O., No. 16, regarding encroachments on —, recorded.	12th do. do. No. 3297 W.	......
Borrowing by public servants.—Proceedings, Board of Revenue, requesting the Superintendent, Government Press, to furnish Collectors with copies of S. O. on the subject of —, recorded.	12th do. do. No. 3298 W.	......
Survey marks.—Proceedings of the Revenue Department recording Proceedings, Board of Revenue, informing the Collector of Cuddapah that the reply of the Government of India regarding the maintenance of — need not be waited and that he can take action at once regarding the theodolite and plane table stations, recorded.	12th do. do. No. 3299 W.	......
Set letter forms, &c.—Copy of office-note from the Examiner, Public Works Accounts, stating the conditions under which he has supplied — to the Examiner, Rajputana and Central India, forwarded to the Secretary to the Agent to the Governor-General and Chief Commissioner, Public Works Department, Rajputana and Central Provinces.	12th do. do. No. 3300 W.	16th Oct. 1890, Nos. 2741-42 W. 22nd Sept. 1890, No. 3834 C.
Grant under 45. Civil Works.—Proceedings, Financial Department, stating that the — will be fixed at 35 lakhs, recorded.	12th do. do. No. 3301 W.	11th Dec. 1890, No. 2291 W.
Jetty wall at Negapatam.—Proceedings, Marine Department, placing Rs. 186 at the disposal of the Public Works Department for repairing the south-east corner of the —, communicated to the Superintending Engineer, V Circle.	12th do. do. No. 3302 W.	......
Inspection Report of the Gudiváda division.—Office-note from the Examiner noticing and requesting replies of the Executive Engineer to certain items in the summary of the — by the Deputy Examiner, recorded.	12th do. do. No. 3303 W.	......
New school-house at Anantapur.—Regarding funds for the construction of a —.	13th do. do. No. 3304 W.	10th Feb. 1890, No. 726 C. 10th Feb. 1890, No. 714 C. 14th Feb. 1890, No. 846 C. 14th April 1890, No. 14 D. 25th Sept. 1890, No. 2535 W.
Census.—Proceedings, Revenue Department, directing that the — of the British camps at Periyár and Thekady to be taken by the Engineer in charge of the Periyár Project works, communicated to the Superintendent of Works, No. I Periyár Division.	13th do. do. No. 3312 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Pachipenta ghât, Vizagapatam district.—Proceedings, Judicial Department, approving the proposal to abandon the old —, communicated to the Superintending Engineer, I Circle.	13th Dec. 1890, No. 3314 W.	15th Oct. 1890, No. 2724 W.
Statement of objectionable items.—Orders on Provincial —, I Circle, for period ending 30th September 1890.	13th do. do. No. 3315 W.	3rd July 1890, No. 1824 W.
Statement of objectionable items.—Orders on Provincial —, VI Circle, for period ending 30th September 1890.	13th do. do. No. 3316 W.	......
Statement of objectionable items.—Orders on Provincial —, V Circle, for period ending 30th September 1890.	13th do. do. No. 3317 W.	......
Mr. H. E. Clerk, Assistant to the Chief Engineer for Irrigation.—Application of — to visit the Periyár Works and the Vaigai bridge on duty, sanctioned, and the 15 days' privilege granted to him, cancelled.	13th do. do. No. 3319 W.	24th Sept 1890, No. 2533 W. 20th Oct. 1890, No. 2778 W. 23rd Oct. 1890, No. 4305 C. 1st Dec. 1890, No. 4951 C.
Major W. L. C. Baddeley, R.E.—The Government of India informed that the services of — can be spared early next year to go through the Chatham course.	13th do. do. No. 3321 W.	......
Mr. H. S. Taylor, Executive Engineer.—Investing — with certain powers of sanction.	13th do. do. No. 3322 W.	......
Mr. James Abbott, Surveyor.—The action of the Superintending Engineer, V Circle, in granting an advance of a month's pay to —, approved.	13th do. do. No. 3323 W.	27th Oct. 1890, No. 2857 W. 30th June 1890, No. 362 I.
English stores.—The purchase of certain — in the local market for the IV Circle, sanctioned.	13th do. do. No. 3324 W.	......
Imperial Civil Work, schedule of 1891-92.—Telegram to the Government of India requesting to make certain corrections in the —.	13th do. do. No. 3325 W.	......
Sub-Registry offices at Perlam and Tirupundi.—The Superintending Engineer, VI Circle, requested to submit plans and estimate for constructing —.	13th do. do. No. 3326 W.	......
Standing Orders to the Madras Public Works Code and Book of Forms.—Certain draft —, submitted by the Examiner, Public Works Accounts, approved.	13th do. do. No. 3327 W.	......
Statement of objectionable items—Orders on Provincial —, III Circle, for period ending 30th September 1890.	13th do. do. No. 3328 W.	......
Artesian well-boring at Ongole.—Proceedings, Local and Municipal Department, recording Proceedings, Public Works Department, stating that the plant recently in use at Tuticorin can be made available for the —, recorded.	15th do. do. No. 3329 W.	4th Dec. 1890, No. 3211 W. 18th Nov. 1890, No. 3078 W. 26th Nov. 1890, No. 3350 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Memorial of Messrs. Clerk, Ashpitel and Smythe.—Reply of the Government of India to the —, appealing against retarded promotion in consequence of the transfer of certain works to the Military Works Department, communicated to the officers concerned.	15th Dec. 1890, No. 3330 W.	26th Nov. 1890, No. 3161 W. 8th Nov. 1890, No. 2964 W. 6th Nov. 1890, Nos. 2941-42 W. 5th Nov. 1890, Nos. 2934-35 W.
Report of the Berhampore Municipality for 1889-90.—Proceedings, Local and Municipal Department, reviewing the —, communicated to the Superintending Engineer, I Circle, with remarks.	15th do. do. No. 3331 W.	8th Nov. 1890, No. 4609 C. 22nd Nov. 1890, No. 3117 W. 21st April 1890, No. 1176 W.
Modification of allotments, Consulting Architect's division.—Sanctioning certain —.	15th do. do. No. 3332 W.	......
Compensation for sittings.—The claim for — for the Wesleyan Chapel at Bangalore, sanctioned, and those for the Roman Catholic Cathedral at Madras and the Roman Catholic at Palávaram, ordered to be transferred to the Consulting Architect to Government, and the Superintending Engineer, V Circle.	15th do. do. No. 3333 W.	9th Sept. 1890, No. 2422 W. 8th Nov. 1890, No. 4586 C.
Statement of objectionable items.—Orders on Provincial —, IV Circle, for period ending 30th September 1890.	15th do. do. No. 3334 W.	8th Oct. 1890, No. 2646 W. 3rd July 1890, No. 1826 W.
Statement of objectionable items—Orders on Provincial —, II Circle, for period ending 30th September 1890.	15th do. do. No. 3335 W.	......
Sir S. Ramasawmy Mudaliar's Choultry.-Proceedings, Revenue Department, approving, with remarks, the plan prepared by the Consulting Architect to Government of walls to be erected on the north and east sides of —, communicated to the Consulting Architect to Government.	15th do. do. No. 3336 W.	5th Dec. 1890, No. 5044 C. 6th Dec. 1890, No. 5064 C. 17th Mar. 1890, No. 4722 C. 21st Oct. 1890, No. 4299 C. 5th Nov. 1890, No. 2937 W. 21st Oct. 1890, No. 2804 W. 6th June 1890, No. 1569 W. 12th April 1890, No. 1095 W. 3rd June 1889, No. 2608 C.
Percentage charged on account of scrutiny of certain works in the Ganjam district.—Proceedings, Local and Municipal Department, stating that the — should not be charged to the Local Fund Department, communicated to the Examiner, Public Works Accounts.	15th do. do. No. 3337 W.	20th Nov. 1890, No. 4779 C. 29th Oct. 1890, No. 4419 C. 14th Aug. 1890, No. 2214 W.
Messrs. Massey and Co.—Proceedings, Financial Department, stating that the sum of Rs. 17,805 granted for payment to —, on account of the Gopálpur pier is to be treated as an addition to the Provincial grant for the Public Works Department, communicated to the Examiner, Public Works Accounts.	15th do. do. No. 3338 W.	3rd Dec. 1890, No. 5016 C. 5th Sept. 1890, No. 2397 W. 2nd Aug. 1890, No. 2117 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Report on native newspapers for fortnight ended 30th November 1890, recorded.	15th Dec. 1890, No. 3339 W.	......
Confidential	16th do. do. No. 3340 W.	......
Surrenders.—Accepting the surrender of Rs. 7,000 made by the Superintending Engineer, V Circle, and allotting Rs. 265 to the South Arcot division.	16th do. do. No. 3343 W.	15th Oct. 1890, No. 4189 C.
Vouchers in support of charges for Service Postage stamps, State telegrams and fees for Money Orders.—Sanction of the Government of India to the adoption of the practice in force in Civil Departments requiring the submission of —, communicated to officers of the Public Works Department.	16th do. do. No. 3344 W.	24th Jan. 1890, No. 243 W.
Inspection notes of the Rushikulya Division office.—Office-note of the Examiner noticing and requesting explanation of the Superintending Engineer, I Circle, on certain points noticed in the —, recorded.	16th do. do. No. 3345 W.	25th Nov. 1890, No 4861 C. 5th Sept. 1890, No. 2399 W. 19th Aug. 1890, No. 3455 C. 14th June 1890, No. 1652 W. 16th Aug. 1890, No. 1363 W.
Improvement of the Cooum.—Minute by the Honorable the Governor suggesting certain works for the —, and note thereon by the Chief Engineer, Public Works Department, recorded.	16th do. do. No. 3346 W.	......
Jail administration.—Proceedings, Judicial Department, on report of the Committee appointed to inquire into certain matters of — and the Inspector-General's remarks thereon, communicated to officers of the Public Works Department.	16th do. do. No. 3350 W.	......
Statement of landed property.—Proceedings, Public Department, directing the Superintendent of Stationery to print and issue the form prescribed in reference to the holding of landed property, communicated to officers of the Public Works Department.	17th do. do. No. 3351 W.	......
Direct correspondence between the Examiner and the Divisional Accountants.—Ordered that the Government of India be addressed regarding — with reference to S.O., No. 239, dated 3rd July 1890, cancelling para. 378 of the Madras Public Works Code introducing the system of —.	17th do. do. No. 3352 W.	16th Mar. 1890, No. 805 W.
The Government of India addressed accordingly.	17th do. do. No. 3353 W.	......
Taluk office at Jayankondacholapuram, Trichinopoly district.—The Superintending Engineer, VI Circle, directed to prepare materials for the proposed new —.	17th do. do. No. 3354 W.	21st July 1888, No. 2280 W. 24th Sept. 1890, No. 2534 W. 23rd Oct. 1890, No. 4306 C. 4th Nov. 1890, No. 2917 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Artillery barracks, Trichinopoly.—Proceedings, Revenue Department, recording Proceedings, Board of Revenue, submitting report of the Collector of the accommodation provided for certain offices in the —, recorded.	17th Dec. 1890, No. 3355 W.	19th Dec. 1889, No. 3606 W. 17th July 1890, No. 1934 W.
Presidency allowance to certain Accountants in the Examiner's office.—The grant of —, sanctioned.	17th do. do. No. 3356 W.	......
Police huts at Bulchutty.—Cancelling the orders for demolishing the —.	17th do. do. No. 3357 W.	24th April 1890, No. 1218 W.
English stores.—The purchase of certain — in the local market for the Public Works Workshops, Madras, sanctioned.	17th do. do. No. 3358 W.	......
Mr. H. S. Taylor, Superintendent of Works, No. I Periyár division.—Letter from — requesting to know his powers of sanction regarding works, estimates for tools and plant, &c., recorded with reference to G.O., No. 3322 W., dated 16th December 1890.	17th do. do. No 3359 W.	......
Cement for the Periyár works.—The local purchase of 600 barrels of —, sanctioned.	17th do. do. No. 3360 W.	13th Nov. 1890, No. 3018 W. 26th Nov. 1890, No. 4902 C.
Major W. L. C. Baddeley, R.E.—Telegram to the Government of India informing in reply to its telegram regarding — attendance at Chatham that he can be spared.	17th do. do. No. 3361 W.	......
Revised and Budget estimates for 1890-91 and 1891-92.—Proceedings, Financial Department, recording resolution of the Government of India fixing the dates for the submission of the —, recorded.	17th do. do. No. 3362 W.	......
Taluk office at Kumbakónam, Tanjore district.—The surrender of Rs. 5,000 from the grant for constructing a first-class —, accepted.	17th do. do. No. 3363 W.	7th Nov. 1890, No 4873 C. 2nd Oct. 1890, No. 4298 C. 9th Oct. 1890, No. 4050 C. 7th Oct. 1890, No. 4012 C. 14th April 1890, No. 1103 W. 18th April 1885, No. 921 W.
Police station at Chentoor, Rékapalle taluk.—The estimate for constructing a — returned to the Superintending Engineer, V Circle, for sanction.	17th do do. No. 3364 W.	......
Manapad Lighthouse.—Proceedings, Financial Department, sanctioning funds for constructing a cook-house for the Superintendent, —, communicated to the Superintending Engineer, VI Circle, and the Examiner, Public Works Accounts.	17th do. do. No. 3365 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Cemetery for Non-conformist soldiers of the Garrison of Fort St. George.—Proceedings, Ecclesiastical Department, communicating G.O., No 49, dated 12th July 1890, regarding the construction of a —, recorded.	17th Dec. 1890, No. 3368 W.	9th Dec. 1890, No. 3277 W.
Royal Engineer officers proceeding to or returning from Chatham.—Letter from the Government of India referring, with reference to the grant of advances of pay to — or returning to India after the Chatham course, to articles 81 and 82 of the Civil Service Regulations regarding advances generally.	17th do. do. No. 3369 W.	8th Nov. 1890, No. 2966 W. 5th April 1890, No. 1053 W. 23rd Feb. 1890, No. 599 W.
Portable railway required for the Government brick-fields, Madras.—Allotting Rs. 6,413 for the purchase of the —.	17th do. do. No. 3370 W.	13th Nov. 1890, No. 3085 W.
Madras Harbour Works.—Ordered that the statement showing expenditure on the — with the sanctioned estimate for quarter ending 30th September 1890, be forwarded to the Home Government.	17th do. do. No. 3371 W.	......
The above forwarded to the Home Government.	17th do. do. No. 3372 W.	......
Copy of the above forwarded to the Government of India.	17th do. do. No. 3373 W.	......
Mr. F. J. Wilson, Executive Engineer.—One month and two days privilege leave granted to —.	17th do. do. No. 3374 W.	10th Dec. 1888, No. 4952 C. 3rd Oct. 1888, No. 3720 C.
Employment of Pensioned Native soldiers in Civil capacities.—Endorsement of the Government of India forwarded circular regarding the —, communicated to officers of the Public Works Department.	18th do. do. No. 3375 W.	......
Examination Rules.—Proceedings, Educational Department, declining to grant a general exemption from the — to certain unpassed men for employment as clerks in the III Circle, communicated to Superintending Engineers.	18th do. do. No. 3376 W.	......
Police station-house and five Police huts at Tandigudi, Madura district.—The surrender of Rs. 2,840 from the grant for constructing —, accepted, and Rs. 640 of the surrender allotted to the Trichinopoly division.	18th do. do. No. 3377 W.	......
Transfer of funds.—Sanctioning certain — ...	18th do. do. No. 3378 W.	28th Oct. 1890, No. 2859 W.
Vedarniem canal.—Proceedings, Local and Municipal Department, sanctioning funds for the maintenance of the — and requesting by the Accountant-General to place the same at the disposal of the Public Works Department, communicated to officers concerned.	19th do. do. No. 3381 W.	22nd April 1888, No. 389 I.
Military lines at Trichinopoly.—Passing orders regarding the carrying out of repairs to the — by the Executive Engineer.	19th do. do. No. 3382 W.	......

ORDER—dated 22nd December 1890, No. 3411 W., Public Works.

In its resolution above recorded, the Government of India assigned a provsional grant of Rs. 80,000 for expenditure on military works at stations in charge of the Public Works Department during the year 1891-92. The amount distributed under departmental heads will be as shown below:—

	RS.
Works	64,100
Establishment	14,940
Tools and plant	960
Total ...	80,000

2. Of the sum of Rs. 64,100 available for works, the following amounts have been set apart:—

	RS.
Incomplete major and minor works	5,000
Repairs	45,000
Total ...	50,000

and the balance, Rs. 14,100, has been allotted for the new barracks at Calicut.

3. A sum of Rs. 20,000 was provided in the current year's budget for the new barracks at Calicut, but the sanction of the Government of India to the estimate having been received late in the year, it was not found possible to spend more than Rs. 10,000 on the work during the current official year and the balance Rs. 10,000 was therefore surrendered. To admit of the completion of the work before the close of the year 1891-92 as desired by His Excellency the Commander-in-Chief, a sum of Rs. 21,560 will be required. As the amount available for major works is only Rs. 14,100, that sum has been provided for the work in the budget, and the Government of India will be requested to provide the balance, Rs. 7,460.

4. It has not been found possible to provide the grant required for constructing a shed for the transport animals at Malapuram, which is considered to be a work of an urgent nature. The Government of India will therefore be requested to provide a special allotment of Rs. 2,824 or Rs. 3,516 inclusive of percentage charges to admit of the construction of the shed during the ensuing official year as desired by His Excellency the Commander-in-Chief.

5. The amount set apart for incomplete major and minor works will, as usual, be held in reserve with the Government and be distributed early next year on receipt of detailed proposals from Superintending Engineers.

6. The grant for repairs has been distributed among the several divisions in part II of the budget.

7. With reference to paragraph 3 of the letter from the Government of India, Military Department, No. 1441 M.W., dated 16th June 1890, printed with G.O., No. 1960 W., dated 18th July 1890, that Government will be informed that the same sum as that provided in the current year, viz., Rs. 4,000, may be placed at the disposal of the General Officers Commanding Districts and the Commissary-General for the execution of minor works at stations in charge of the Public Works Department.

8. The difference between the budget and the revised estimates of charges for 1890-91 is due to additional grants having been sanctioned by the Government of India and the Director-General of Military Works.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Light house at Cannanore.—Proceedings, Financial Department, sanctioning Rs. 125 for providing the — with a lightning conductor, communicated to the Superintending Engineer, IV Circle, and the Examiner, Public Works Accounts.	19th Dec. 1890, No. 3383 W.	......
Lord Connemara's Administration.—Proceedings, Public Department, directing that the memoranda and notes to be supplied in reference to — should be as brief as possible, recorded.	19th do. do. No. 3384 W.	......
Parlákimedi estate.—Rs. 55,019 surrendered from the grant for the — replaced at the disposal of the Court of Wards.	19th do. do. No. 3385 W.	......
Prince of Arcot.—Certain officers requested to show all the attention and civility due to the — during his visit to Covelong, communicated to the Executive Engineer, Buckingham canal, for immediate attention.	19th do. do. No. 3386 W.	......
Tunnel-drilling machinery.—The Ceylon Government requested to state the price at which it is prepared to dispose of certain —.	19th do. do. No. 3387 W.	......
Artesian borings.—Letter from the Director of Public Works, Ceylon, acknowledging, with thanks, certain papers regarding — forwarded to him.	19th do. do. No. 3390 W.	......
Plates of the Technical Art Series.—Three copies of each of the —, forwarded by the Educational Department, forwarded to the Consulting Architect to Government.	19th do. do. No. 3391 W.	......
Colonel H. M. Vibart, R.E.—An amended last pay certificate of —, Superintending Engineer, I Class, forwarded to the Under Secretary of State for India.	19th do. do. No. 3392 W.	......
Budget estimates.—Proceedings, Financial Department, fixing the estimates under adjusting heads, —, Provincial, for 1891-92, communicated to Superintending Engineers, IV and V Circles.	19th do. do. No. 3393 W.	......
Allotment.—Allotting Rs. 600 from the Provincial reserve to the Cuddapah division under tools and plant.	19th do. do. No. 3394 W.	......
Mr. C. H. B. Burlton.—Informing — that it is not now possible to examine the reasons for his name being omitted from the list of officers who especially distinguished themselves during the famine.	19th do. do. No. 3395 W.	8th Dec. 1890, No. 5092 C. 4th Nov. 1890, No. 4525 C. 17th Nov. 1890, Nos. 3058-59 W. 12th May 1885, No. 909 C.
Old Taluk Cutcherry at Pulivendla, Cuddapah district.—The sale of — at public auction, sanctioned.	20th do. do. No. 3396 W.	......
Viceregal Lodge, Simla.—Permission asked for by the Consulting Architect to Government to have the plans of the — copied by the photozincographic process, sanctioned.	20th do. do. No. 3397 W.	28th Oct. 1890, No. 4391 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Report of the Malabar District Board.—Proceedings, Local and Municipal Department, reviewing the — 1889-90, communicated to the Superintending Engineer, IV Circle.	20th Dec. 1890, No. 3400 W.	......
Messrs. C. H. B. Burlton and B. H. Young, Executive Engineers—Reply of the Government of India to the appeals of — against retarded promotions on account of the establishment of the Military Works Branch, communicated to them.	20th do. do. No. 3401 W.	15th Dec. 1890, No. 3330 W. 5th Nov. 1890, Nos. 2934-35 W. 6th Nov. 1890, Nos. 2941-42 W. 8th Nov. 1890, No. 2964 W. 26th Nov. 1890, No. 3161 W.
Estate works in the Ganjam division—Regarding funds for certain —.	20th do. do. No. 3402 W.	......
Budget estimates.—Resolution of the Government of India extending the date of submission of the detailed — for Provincial and Local funds from the 15th January to 15th February, communicated to officers concerned.	20th do. do. No. 3403 W.	......
Report of the Nellore District Board.—Proceedings, Local and Municipal Department, reviewing the — for 1889-90, communicated to the Superintending Engineer, II Circle.	20th do. do. No. 3404 W.	......
Holding of lands.—Proceedings, Public Department, passing orders on the return of lands and shares in registered Companies held by Covenanted Civil Servants, Military officers in Civil employ, Public Works officers, &c., in 1889, communicated to officers of the Public Works Department.	20th do. do. No. 3405 W.	......
Statement of objectionable items.—Orders on Provincial —, Consulting Architect's division, for period ending 30th September 1890.	20th do. do. No. 3406 W.	......
Messrs. Evans and Traill.—Regarding furlough pay of — at two shillings the rupee.	20th do. do. No. 3407 W.	......
Copy of the above forwarded to the Government of India.	20th do. do. No. 3408 W.	......
Periyár Project.—Admitting the claim to working pay preferred by the British officers of the detachment, 4th Pioneers, employed on the — and debiting the charge to the budget grant for temporary establishment.	20th do do. No. 3409 W.	......
Technical Art Series.—Proceedings, Educational Department, regarding the distributaries of certain plates of the —, communicated to the Consulting Architect to Government.	20th do. do. No. 3410 W.	......
Surrenders.—The surrender of Rs. 3,992 by the Superintending Engineer, I Circle, resumed and credited to the Provincial reserve with Government.	23rd do. do. No. 3413 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Transfer of certain Military Upper Subordinates.—Regarding the permanent — to the Military Works Branch.	23rd Dec. 1890, No. 3414 W.	......
Letter to the Government of India on the above subject.	23rd do. do. No. 3415 W.	......
Mr. A. A. G. Malet, Executive Engineer.—The Government of India informed that — went for the first time on furlough in 1889 and drew his furlough allowance at two shillings the rupee.	29th do. do. No. 3416 W.	......
Tolls collected on the Mettupálaiyam-Gúdalúr road.—Proceedings, Local and Municipal Department, sanctioning the proposed distribution of the —, communicated to the Superintending Engineer, IV Circle.	29th do. do. No. 3419 W.	......
English articles.—The local purchase of certain —, for the Public Works Workshops Madras, sanctioned.	29th do. do. No. 3420 W.	......
Mr. C. W. Taylor, Accountant, 5th Grade, on probation, permitted to draw Rs. 40 per mensem.	29th do. do. No. 3421 W.	......
Messrs. Gaynor and Calder, Honorary Assistant Examiners.—The grant of Presidency allowance to —, sanctioned.	30th do. do. No. 3422 W.	......
Point Divi Lighthouse.—Proceedings, Financial Department, sanctioning Rs 399 for repairs to the —, communicated to the Superintending Engineer, II Circle.	30th do. do. No. 3423 W.	......
Mr. W. C. Lewis, Executive Engineer.—The Examiner authorised to pass to — the maximum Presidency allowance of his rank to from 10th December 1890.	30th do. do. No. 3424 W.	......

9. With these remarks the preliminary issue of the Military Works budget for 1891-92 will be printed and circulated to the officers concerned for information and guidance, and four copies will be forwarded to the Government of India, Military Department.

(Here enter No. 3412 W., dated 22nd December 1890.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Military Department.
" Financial Department.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 22nd.

Recd. *Encl.*

G.O., 22nd Dec. 1890, No. 3411 W.

DECEMBER.

Military Works Budget for 1891-92

Orders circulating preliminary issue of the —.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from

Colonel J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Military Department.

Sir,

In forwarding the accompanying budget estimate for 1891-92 of Military Works in charge of the Public Works Department, and copy of Proceedings of this Government, No. 3411 W., dated 22nd December 1890, I am directed to request that the allotments referred to in paragraphs 3 and 4 thereof may be sanctioned by the Government of India, and that the Director-General of Military Works may be instructed to place a sum of Rs. 4,000 * at the disposal of General Officers Commanding Districts and the Commissary-General for minor new works at stations in charge of the Public Works Department.

* Rs. 4,980 including percentage charges.

2. With reference to paragraph 4 of the Resolution of the Government of India, No. 2852 M.W., dated 5th November 1890, I am directed to inquire whether the schedule of requirements, and the budget estimate should as usual be submitted so as to reach the Government of India by the 1st October and 15th January, respectively, or whether the revised dates in case of Imperial funds, fixed by the Government of India, Public Works Department, in its Resolution No. 147 A.G., dated 21st October 1890, should be adhered to.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

Fort St. George,
22nd December 1890.

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated December, 22nd.

Recd. *Encl.*

22nd Dec. 1890, No. 3412 W.

DECEMBER.

Military Works Budget for 1891-92

Forwarding with remarks preliminary issue of the — and requesting information in respect to the submission of future estimates.